NOTICE

PREPARATORY TO AWARDING ANY FUTURE DEVELOPMENT OF MAINTENANCE CONTRACTS FOR THIS SYSTEM, USER AGENCIES AND SUPPORTING PROCUREMENT ACTIVITIES MUST ASSURE SELECTED CONTRACTOR FIRMS AGREE TO AND DECLARE, IN WRITING, CONTRACT PERFORMANCE WILL BE LIMITED TO U.S. CITIZEN PERSONNEL ONLY. THIS IS A MANDATORY REQUIREMENT DUE TO THE MILITARY CRITICAL TECHNOLOGIES AND TECHNICAL INFORMATION WITH UNIQUE MILITARY UTILITY ASSOCIATED WITH AFFECTED SOFTWARE AND SUPPORTING DOCUMENTS.

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DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF DOCUMENT.

SUMMARY of CHANGE

AISM 25-P05-A67-AIX-DBDD
Record Update Utility (RUU)
Database Design Description (DBDD) Manual
20 September 1998

This updated manual--

?? Replaces all previous versions of Database Design Description (DBDD) manual prepared in accordance with (IAW) Department of Defense (DOD) documentation standards MIL-STD-498, which was canceled on 27 May 1998.

?? Adheres to the documentation standards contained in the Institute of Electrical and Electronics Engineers (IEEE)/Electronics Industries Association (EIA) standard, IEEE/EIA 12207, "Information Technology-Software Life Cycle Process".

?? Provides an updated menu hierarchy diagram, entity relationship diagram, database schema and attributes, data dictionary, cross reference tables, and a list of INPROC database error messages.

?? Provides a blank copy of DA Form 2028 (Recommended Changes to Publications and Blank Forms). This form is at the end of the manual and users may reproduce and use it to write corrections, additions or comments about the manual. Users may, also use it as cover sheet to a marked up copy of the RUU DBDD.

?? Be advised that changes would be subject to the approval by the appropriate Subject Area Functional Proponent (SAFP).

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1 SCOPE

1.1 IDENTIFICATION.

The following is a full identification of the Record Update Utility (RUU):

a. Automated Information System (AIS) Identifier, which establishes the base functional components of a system: P05.

b. System Identification Code (SIC) identifies the software tool methodology that the application is developed: A67.

c. Title and Abbreviation: Record Update Utility (RUU)

d. Previously fielded Release/Version Number: 07.03/07.00.

e. Software Change Package (SCP) Release/Version number being developed/ fielded: P05-A67-08-01.

1.2 DATABASE OVERVIEW.

The purpose of this DBDD manual is:

?? to describe the database organization, and

?? to provide detailed logical and physical database information necessary to construct the parts of the RUU relational database such as records, tables keys, views and associated directories, and diagrams.

The RUU database is identified by "ruu". This is a working database containing all data elements required to support the RUU. This working database is called the subject area database (SADB) throughout RUU documentation.

The ISM Project was established to create new software applications (or upgrade existing ones) that would automate standard procedures and integrate information used to manage army installations. These software applications are packaged as modules according to the installation management functions they perform. ISM is deployed army-wide and comprises a uniform set of automated tools that assists installation commanders in effectively managing daily operations.

RUU is part of the ISM project that is an army-wide Major Automated Information System (MAIS) initiative. The primary objective of ISM is to enhance, through automation, installation management functions. ISM applications consist of standard procedures packaged into functional applications, which would automate as well as integrate day-to-day installation processes. ISM applications use Installation Level Integrated Database (ILIDB), which is the central repository for data that is common to more than one ISM application, and various local databases that contain data elements unique to the individual ISM applications.

ISM's operate at garrison locations and support functional Managers use of ISM applications and data to manage resources under their control. ISM perform the following major functions:

?? Application-specific support to meet the information needs of installation functional activities and tenant units;

?? Command and staff reporting requirements via standard or ad hoc queries run against an application database or the ILIDB; and

?? Information exchanged internally among installation functional activities and externally to echelons above installation levels, as well as to Standard Army Management Information Systems (STAMIS).

The RUU software supports the personnel portion of demobilization. This may be utilized to perform the peacetime (garrison) Military Personnel (MILPER) functions that support In-Processing, Out-Processing and Transition Point Processing. It facilitates the preparation and administrative handling of records, forms, memos and orders and automation of required forms.

1.2.1 Organizational and Personnel References.

The following organizations and personnel maintain a responsibility of interest in the ISM application.

a. ISM Functional Proponent. The ISM Functional Proponent (FP) is the Office of the Director of Information Systems for Command, Control, Communications, and Computers (DISC^4).

b. Application Sponsor. The application sponsor is the Director of Management (DM) Office Chief of Staff, Army (OCSA).

c. ISM/MISM FP. The ISM/MISM FP is the Office of the Director of Information Systems for Command, Control, Communications, and Computers (DISC^4).

d. Assigned Responsible Agency (ARA). The ARA for technical development, testing, fielding and maintenance of this ISM application is the Information Systems Engineering Command (ISEC).

e. Point of Contact.

Organization:	U.S. Army Information Systems Software Development Center - Washington (USAISSDC-W) ATTN: AMSEL-SE-IS-SDW-E-I, Stop H-5, 6000, 6th St., Suite S122A, Ft. Belvoir, VA 22060-5576
Point of Contact:	Major Gale Harrington
Commercial Phone:	(703) 275-6941
DSN:	235-6941

1.3 DOCUMENT OVERVIEW.

The objective of this DBDD Manual is to describe the design of RUU database, which is a collection of related data stored in one or more computerized files in a manner that could be accessed by users or computer programs via a database management system (DBMS). This also describes the software units used to access or manipulate the data. Use this DBDD as the basis for implementing the database and related software units. It provides the acquirer visibility into the design and provides information needed for software support.

1.3.1 Security.

RUU does not store or process classified data. RUU data is designated as unclassified sensitive-two (US-2), as defined in Army Regulations (AR) 380-19, "Information Systems Security (ISS)," 01 May 1996. This data is *"For Official Use Only (FOUO)"*, and prohibits unauthorized disclosure.

a. Authorization. An explicit official authorization or an implicit authorization based on official assignments and/or responsibilities is required to access RUU.

b. Disclosure. You must not disclose personal information contained in RUU except as authorized by AR 380-19.

1.3.2 Security Guidelines for Using RUU.

The following guidance is provided to help users operate the system in accordance with applicable security provisions.

1.3.2.1 Modifying or Viewing Data.

Entering, modifying, deleting, or viewing RUU data is restricted to users who have explicit authorization to do so. System access is gained using a combination of login name, password, and access permission, which is determined by the system administrator. Login names and passwords shall be used only by the persons to whom they were specifically assigned.

a. Screens. Adjust your Video Display Terminal (VDT) screen so that informational displays cannot be viewed by any unauthorized person.

b. Accuracy. Enter or modify data carefully and completely, to avoid storing or transmitting erroneous or incomplete data.

1.3.2.2 Protecting Information Sources.

Safeguard all information input to or generated by the system against unauthorized use, copying, or destruction.

a. Documents. Prevent unauthorized persons from viewing or accessing any documents, such as forms or manual files, by covering them or storing them in secure containers.

b. Electronic Media. Label all electronic media, such as tapes or diskettes, and keep them in proper storage containers.

1.3.2.3 Other Theft.

This type of threat concerns the physical misappropriation of the computer containing the application program and its data bank/database. The system includes safeguards such as encryption of data elements, if appropriate, to prevent sensitive data from falling into the wrong hands by physical misappropriation of the system hardware.

1.3.2.4 Service Interruption/Degradation.

This type of threat is normally related to scheduled or unscheduled availability of the system to run the application as intended. The disruption may be due to power outages, environmental situations, etc. The system provides safeguards for restoring systems abnormally terminated/shut down.

1.3.2.5 Human Errors of Commission and Omission.

User carelessness or ignorance is responsible for this type of threat. The system provides safeguards by automatically performing edit checks for enumerated values, acceptable ranges, etc.

1.3.2.6 Privacy Violations.

This type of threat involves unauthorized release of personnel information protected under the Privacy Act of 1974, Section 5, United States Code 552a. Data elements identified as protected under the Privacy Act are safeguarded by the system through encryption, user access levels, or other controls as appropriate.

1.3.2.7 Sabotage.

An authorized user deliberately erasing or otherwise destroying system data files and/or back up file media must be prevented. The system periodically determines duration between system sessions and last system backup. The system also requires a backup to be generated if some predetermined number of sessions has occurred without the operator voluntarily preforming a backup operation. The backup ensures that at least three separate backup copies are maintained. The system cycles these copies

interactively.

1.3.2.8 Industrial/Military Espionage.

This threat normally involves a former user gaining access to the system for personal benefit. The system provides safeguards to require inactive USERID to be deleted from the system. The system also requires periodic mandatory change of authorized user passwords.

WARNING:

IT IS A VIOLATION OF FEDERAL LAW TO ACCESS, COPY, OR OTHERWISE USE GOVERNMENT COMPUTER RESOURCES WITHOUT SPECIFIC AUTHORIZATION. EACH ACCESS IS SUBJECT TO RECORDING AND AUDITING.

2 REFERENCED DOCUMENTS

2.1 PROJECT REFERENCES.

The following documents are helpful in understanding and performing the tasks described in this manual.

a. Project Documentation.

(1) U.S. Army, AISM 25-P05-A67-AIX-SCOM, "RUU Software Center Operator Manual (SCOM)," UNCLAS.

b. Hardware Documentation

(1) IBM POWERstation and POWERserver - Diagnostic Information for Micro Channel Bus Systems, Version 4.2 - Part No. SA 23-2765-01.

(2) IBM Adapters, Devices, and cable Information for Micro Channel Bus Systems, Version 4.2 - Part No. SA23-2764-01.

(3) IBM 7012 Models 300 Series - Installation and Service Guide - Part No. SA 23-2624-07.

(4) IBM 7012 Models 300 Series - Operator Guide - Part No. SA 23-2623-05.

c. Software Documentation

(1) "MS-DOS User's Guide and Reference," Version 5.0/6.22.

(2) AIX Version 4.2 Quick Installation and Startup Guide.

(3) AIX Version 4.2 Installation Guide - Part No.SC23-2341.

(4) AIX Version 4 Getting Started - Part No.GC23-2521.

(5) AIX Version 4.2 System User's Guide: Operating System and Devices.

(6) AIX Version 4.2 System Management Guide: Operating System and Devices.

(7) AIX Version 4.2 Network Installation Management Guide and Reference.

(8) AIX Version 4.2, Information For Operation Retrieval/License System (iFOR/LS) System Management Guide.

(9) Oracle7™ for AIX-Based Systems Installation & Configuration Guide, Part No.A32105-1.

(10) Oracle7™ SQL*Plus User's Guide and Reference, Version 3.1.

(11) Oracle7™ Server SQL Language Reference Manual, Part Number 778-70-1292.

(12) A Technical Introduction to the Oracle Server in the "Oracle7™ Server Concepts Manual".

3 DATABASE-WIDE DESIGN DECISIONS

3.1 DESIGN DECISIONS.

To satisfy RUU requirements, it is necessary to perform a variety of functions. These functions fulfill various objectives considered in designing RUU. Design decisions incorporating all necessary functions and related considerations were instrumental in the development of RUU to assure the system could use the database in the manner proposed. Among these functions and considerations are interactive responses, help text, error messages, input data, outputs, including reports, response time to queries and updates, data storage capacity, system maintenance and data backups. RUU provides a series of interactive and detailed menus that allow users to enter change or review data necessary to support daily activities. Users may interactively access data through ad hoc queries using Structured Query Language (SQL) or standardized queries.

3.2 DATABASE IDENTIFICATION.

The RUU database is identified by "ruu". This is a working database containing all RUU data elements required to support the RUU ISM. This working database is called the SADB throughout RUU documentation.

3.2.1 Systems Using the Database.

The RUU is a 'stand alone' system, and is the only application that interfaces with the RUU SADB except for the Installation Level Integrated Database (ILIDB), which shares personnel information used among the ISM. However, this does not preclude the possibility that future versions of the RUU SADB will interface with other ISM and Standard Army Management Information Systems (STAMIS).

3.2.2 Relationship to Other Databases.

RUU system will supersede the current field systems that uses either a manual paper tracking process; or in some instances "home-grown" automated systems.

3.3 RDBMS.

RUU is designed using a Relational Database Management System (RDBMS) that will:

a. allow installation-unique tables and attributes.

b. provide integration with other portions of the installation central data repository previously developed.

c. use data elements standardized IAW AR 25-9.

The data elements used for RUU are identified from the FD, the Structured Requirements Analysis Planning (STRAP) reports, the STRAP key-based data model, the Joint Application Development sessions, and the Prototyping sessions. Other sources include existing databases, reports, forms, user manuals, and other data stores maintained by the functional organization. These data elements are fully defined in the Army Data Dictionary (ADD), and Automated Dictionary Support System (ADSS).

3.3.1 RDBMS Configuration.

The "ruu" SADB is a relational database that may reside on any RDBMS that runs under the UNIX operating system environment and supports American National Standard Institute (ANSI) SQL. The "ruu" SADB is currently being implemented for UNIX using the Oracle7™* SQL RDBMS, Version 7.3.3.

3.3.2 Hardware Configuration.

The "ruu" SADB will reside on Portable Operating System Interface for Computing Environments (POSIX) compliant hardware. The installation hardware being used consists of a IBM RISC/6000

Model 7012-300 series computer containing all hard drives, backup tape drives, the system board, network interface cards (NIC), Random Access Memory (RAM), and necessary processors.

a. Memory. The IBM RISC 6000 POWERstation and POWERserver System can be configured with as little as 64 megabytes (MB) or as much as 640 MB of 70 nanosecond (ns) RAM (in 64 MB increments). This RAM is based on industry standard 4 MB SIMM and proprietary RAM expansion boards, which can be added at the factory or any time after delivery.

b. Central Processing Unit (CPU). The IBM RISC 6000 POWERstation and POWERserver System can contain either two or four processors. These are the Reduced Instruction Set Computer (RISC) integer unit and floating point unit processors. For ITP purposes, the 'four processors' configuration is being used.

c. Bus. The IBM main processor bus is 64 bits wide with a bandwidth of 80 Mbps.

d. Tape Device. A 8mm tape drive is required for the tape distribution of Oracle. The tape drive block size should be set to 512.

e. Small Computer System Interface (SCSI) Devices. All SCSI-controlled peripheral devices, such as compact disk read only memory (CD ROM) drives, 8 millimeter (mm) tape drives, 1/4 inch tape drives are connected directly to the SCSI subsystem. Internal SCSI drives are connected using the on-board SCSI port.

f. Controller. SQL*Net TCP/IP requires an adapter card that will support TCP/IP.

3.3.3 Database Software Utilities.

The following list of reference manuals gives detailed instructions on using Oracle7™ database software utilities.

a. Oracle7™ for AIX-Based Systems Installation & Configuration Guide, Part No.A32105-1.

b. Oracle7™ SQL*Plus User's Guide and Reference, Version 3.1

c. Oracle7™ Server SQL Language Reference Manual, Part Number 778-70-1292.

d. "A Technical Introduction to the Oracle7™ Server" in the "Oracle7™ Server Concepts Manual".

3.3.4 Security.

The security of database components, such as user views of schema, is controlled by the Subject Area Functional Administrator (SAFA), who either grants or denies access permissions using the RUU administration menu. The other levels of system security augments this application level security before entering RUU.

3.4 INPUTS AND OUTPUTS.

RUU is to be used as an interactive application. This means that this application is designed for access and use from a terminal. RUU gets data residing in the application's specific SADB; however, RUU may also retrieve input from the ILIDB. Initially, the majority of the data input requirements would be from the end user. However, as users are added to the common SADB, more and more of the data needed would be provided. In regard to output, reports will require you to specify a range of dates to begin and end the report. This is also true with making queries. Other times, you will provide a social security number (SSN) to locate specific information for an individual.

3.4.1 Inputs.

RUU is able to receive input data via magnetic media (diskette or tape) or electronic data transfer,

either on-line directly from another system or via modem and download.

3.4.2 Outputs.

The USERID and passwords determines the production devices authorized to receive output. Output devices may be located within a local area network (LAN) and will consist of various models of both line-system printers and personal computer "slave" dot-matrix/laser printers. Output will also be provided to 28.8, 14.4, 9.6, and 2.4 KBPS modems for transmissions to external system printers and screens. Output may also be provided to exportable magnetic media such as floppy diskette or cartridge tape.

3.4.3 Response to Inputs and Queries.

Response time extends from the receipt of input data to the availability of products. RUU edits interactive transactions and update tables on-line. Both invalid codes and inconsistent data elements (transaction and resident) are corrected at the time of input. The data will then be immediately available to all processes and sub-processes.

a. Response time to queries and updates.

(1) Queries and updates for data input/update on an individual record will have an immediate response time of not more than one second, ninety percent of the time. This response time is the target for a directly connected device, which are not confused with communication-related lag times-communication lags attributed to dial-ins, communication controllers, multiplexors (MUXs), concentrators, LANs, etc. This target response time is a database design requirement.

(2) Queries and updates on multiple records provide adequate response in not more than one second, ninety percent of the time. These transactions take place within an installation, assuming adequate application connectivity is in effect.

3.4.4 Interfaces.

RUU interfaces with the ILIDB, the Standard Installation/Division Personnel System (SIDPERS), Military Personnel In-Processing (INPROC) application and Military Personnel Out-Processing (OUTPROC) application.

3.5 DATABASE/FILE APPEARANCE.

The data elements for RUU are integrated into a multifunctional database as part of the ISM-wide data architecture. By accessing this data architecture, each function within has a view of its data. This view will consist of multiple data elements that are contained in a row of one or more tables.

3.6 LABELING CONVENTIONS.

The RUU SADB is identified as "ruu". Tables will have an owner identification of "ruu", and the table names will be identified uniquely depending on the data/function they are related to.

3.7 ORGANIZATION OF THE DATABASE.

The "ruu" SADB has been designed using relational logic to reside on any RDBMS that runs under the AIX operating system version 4.2 environment and supports ANSI SQL. The current "ruu" SADB is implemented on Oracle7™ RDBMS version 7.3.3. Oracle7™ is an integrated multiuser package that can operate in a stand alone microcomputer environment.

3.7.1 Physical Allocation.

The Systems Administrator (SA) determines the physical allocation of the database based upon the

physical disk space, number of transactions, and various performance need.

3.8 DATABASE MANAGEMENT USED.

The RUU runs on any UNIX platform using SQL-compliant RDBMS.

3.8.1 Flexibility.

The RUU application design provides flexibility in five ways:

a. RUU functions are independent of organizational structure. Functions are based on processes rather than people; therefore, it can easily withstand organizational structure changes. A principal design consideration will incorporate functional modularity to facilitate timely implementation and system maintenance. Additional items or functions will be added, or changes made to the existing support module, if necessary.

b. The RUU functional design minimizes dependence on the technical environment. RUU was designed functionally to be as independent of the technical environment as possible. The technical environment (e.g., hardware, Word Processor software, DBMS) may change over time; the RUU functional design will not.

c. RUU is table driven. Wherever practical, RUU maintains system parameters likely to change or vary between sites in reference tables.

d. Flexibility at individual installations is achieved through data manipulation by those who are authorized access to the support module.

e. As a system, RUU is designed to accommodate changes in requirements and/or its operating environment. During the design of this system, enhancements and changes in requirements have been incorporated periodically.

Because RUU is designed to use relational database technology, changes in structure and data are more easily accomplished. With this consideration in mind, the system is designed with a maximum amount of flexibility so that it could adapt to future changes quickly and easily.

3.9 SECURITY.

The ISM Security Support Plan (SSP), in accordance with AR 380-19, Information Systems Security (ISS), and DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria (TCSEC), categorizes the information processed by RUU as unclassified-sensitive two (US-2). This means that RUU processes unclassified information that must be protected primarily to ensure its availability or integrity. Care should be taken to ensure that passwords are protected and that access to information in the RUU system, or reports produced by it, are not disclosed improperly or accidentally. Regulations require that each user be issued a unique USERID and password. All privileges of access and other authorization elements are associated with the USERID. The combination of user identification and accompanying authorizations are maintained in the USERID profile for each user.

A password is the protection mechanism by which the computer authenticates the user's identity and authorization to access information and functions as delineated in the USERID profile. RUU automatically denies any request for use of a privilege or access unless that USERID has been specifically granted that privilege or access.

Users have access to all the information they are entitled to (by virtue of formal access approval) and no more. Access to RUU data is restricted to users that have at least "connect" permission to the "ruu" SADB or the ILIDB. Persons having Database Administrator (DBA) permission authority can grant any level of permission, such as "connect," "resource," or "DBA," to other users, so access to these user accounts is strictly controlled through security administration.

The information contained in this application is designated as unclassified sensitive-two (US-2). US-2 is unclassified information that primarily must be protected to ensure its availability and/or integrity. This information also requires protection from unauthorized personnel to ensure confidentiality. Examples of US-2 include information dealing with logistics, medical care, personnel management, Privacy Act data, contractual data and *FOUO* information.

Menu presentation is sensitive to user authorized access levels and only display those menu choices that the user has authorized access. If the user accesses a menu selection for which there is no data, then the application directly informs the user that no data is available for the report before the user sends the report request to the printer or screen.

All data that is subject to the Privacy Act, (pursuant to Public Law 93-579), is handled in such a manner as to preclude unauthorized release of the information. The RUU support module contains sensitive, unclassified data.

3.10 DATABASE DISTRIBUTION, UPDATES AND MAINTENANCE.

Design decisions on database distribution, updates and maintenance relate to the host computers at the installations, which provides ISM application processing databases for client users, who gain access through workstations.

3.10.1 Distribution.

The support module distributes output products as on-line response to a process; electronic distribution (electronic mail, packet-switching transfer, and downloading) of a hard copy listing; or by printing and mailing of hard copy reports.

The vulnerability to be guarded against in any distribution and disposition system is that the distribution can be made to an unauthorized position or person and an incomplete document can be delivered. Additionally, premature disposition can hamper validation and error correction.

3.10.2 Maintenance.

The system functional area supports the administration and maintenance of the automated RUU. This includes user account management, system backup and restore, generation of transactions, and correction of individual identifiers throughout the system. The successful operation of maintenance depends on the SA who performs regular system backups and can restore the database, if the RUU fails. When the SA performs a complete backup, all of the data in the RUU are copied onto a file in a suitable backup media. Later, the database may be restored to its state, the day of the backup, by restoring only this file. This copy defines a baseline from which incremental (or partial) backups may be made.

As the amount of data in the local database becomes very large, only a small percentage will be changed each day. If the SA performs an incremental backup, only the data that have changed since the last backup are copied to the backup medium. Incremental backups may be made several times after one complete backup. If there is major data corruption, the complete backup is restored first. Then, each incremental backup is restored, in succession, until the database is restored with the contents as of the desired day. Occasionally, as the number of incremental backups increases, the SA will perform another complete backup to establish a new baseline date; the incremental process is then repeated.

3.10.3 Integrity.

The RUU is an unclassified, administrative system used primarily to support the personnel portion of demobilization. This may be utilized to perform the peacetime (garrison) MILPER functions that support INPROC, OUTPROC and Military Personnel Transition Point Processing (TRANSPROC). It facilitates the preparation and administrative handling of records, forms, memos and orders and

automation of required forms. It is assumed that the most likely threat to RUU data integrity is authorized users attempting to falsify data concerning the in-processing and out-processing of soldiers. The risk of unauthorized penetration of the system by outside parties is considered low. The installation ISM SA will be responsible for computer hardware and software integrity. Backup and recovery are the most critical aspects of those responsibilities.

3.11 BACKUP AND RESTORATION.

Maintaining an alternative file storage area provides protection against delays, destruction of software and data. This storage level is mandatory for all Data Processing Installations (DPIs) that provide critical AIS support to the organization mission performance. This requires off-site storage of at least one copy of all AIS files, programs, and procedures necessary to operate all high-priority applications, either at the processing site or at an alternate site. The alternate files storage area should be reasonably close to the processing site, but not subject to the same degree of major threat as the original site. It is usually recommended that the alternate files storage area be located at least one mile from the processing site.

3.12 STORAGE REQUIREMENTS.

Storage requirements for RUU workstations and file server were estimated for two specific areas. The data storage requirements were determined based on limited sizing information including size of installation and projected number of transactions.

The second area considered in estimating data storage requirements was the requirement for the system's operational capacity. Estimates for this type of data storage include requirements for the AIX OS version 4.2 RUU application and Oracle7™ database software, since all are necessary for RUU operation.

The IBM RISC/6000 Model 7012-300 series System can be configured with as little as 64 megabytes (MB) or as much as 640 MB of 70 nanosecond (ns) RAM (in 64 MB increments). This RAM is based on industry standard 4 MB Single Inline Memory Modules (SIMM) and proprietary RAM expansion boards, which can be added at the factory or any time after delivery.

3.12.1 Physical Mapping of Database Tables.

The RUU SADB is stored on disk in the form of relational tables. The RUU tables are mapped to the INPROC, OUTPROC and ILIDB database, which contains general military personnel information shared by other ISM.

4 DETAILED DESIGN OF THE DATABASE

4.1 DESIGN METHODOLOGY.

The RUU was designed using a structured methodology. This design and development effort included data modeling, normalizing to third normal form, and tuning the finalized data structure for the sake of efficiency. The organization of data and the use of standard data manipulation languages, such as INFORMIX, ORACLE and ANSI-SQL, allow for easy portability to other platforms. RDBMS is an important component in this design since its advantages are numerous.

4.1.1 Content.

There is no subordinate schema within RUU, and it uses shared personnel data from the ILIDB database.

4.1.2 Description.

For a description of the RUU schema, with its physical data element description including indexes and keys, refer to Sections 10, 12, and 13. All access restrictions are determined by the DBA.

4.1.3 Physical Structure.

Refer to Section 10.

4.1.4 Sizing.

Sizing is dependent on the workload and capacity of each installation. The number of records and transactions processed within each installation determines the amount of storage required for each installation's "ruu" SADB. The RUU DBA monitors this.

4.1.5 Recovery.

Local policy and the operational environment control the frequency of backups. At a minimum, the total "ruu" SADB is backed up at least once a day. RUU is an on-line processing ISM requiring no restart procedures within the application software.

The Oracle7™ RDBMS supports automatic rollback of all partially completed transactions resulting from hardware or software failures. All users performing data manipulation operations at the time of the failure are required to check the last activity performed to ensure that the transaction(s) were affected. Transactions entered prior to the last backup will be captured in the transaction log. If the "ruu" SADB is destroyed, it can be rebuilt by first restoring it from the latest RUU backup tape followed by executing the transactions in the transaction log.

The DBA will assist functional users during restart/recovery procedures. For detailed information on SADB backup and recovery utilities, such as DBEXPORT, DBIMPORT, and DBSCHEMA, refer to Oracle 7 On-Line Administrator's Guide, Version 3.1, and Oracle 7™ On-Line User's Guide, Version 3.1.

4.1.6 Requirements Cross-Reference.

N/A.

4.2 TABLE INFORMATION.

4.2.1 Rationale.

One of the most important features of a RDBMS is its ability to join data from different tables. Instead of storing identical data in several tables, an RDBMS allows access to data from several tables at once and displays it as if it were stored in a single table. Joining lets you rearrange the view of a database and create new relationships. You can expand the scope of a database by joining new tables to existing

tables.

4.2.2 Content.

Section 10 contains the table names, data elements, and their attributes. The data dictionary is contained in Section 12.

4.2.3 Description.

Refer to Section 12.

4.2.4 Storage Control Parameters.

Database/table parameters will be determined by the following:

a. Requirements of the database, such as number and content of tables and records.

b. Storage available.

c. Oracle7™ database documentation (procedures/instructions for creating and administering a database).

4.2.5 Recovery.

Local policy and operational environment control the frequency of backups. At a minimum, the total "ruu" SADB is backed up at least once per day. RUU is an on-line processing ISM requiring no restart procedures within the application software. The Oracle7™ RDBMS supports automatic rollback of transactions partially completed due to hardware or software failures. Each user performing data manipulation operations at the time of failure must check for the last active transaction to determine what transaction must be done again.

Transactions conducted since the last backup is captured on a transaction log. If the "ruu" SADB is destroyed, it can be rebuilt by first restoring the latest backup and then executing the program which will apply the transaction log tape to the "ruu" SADB. All work would be restored except for any transactions not captured on the transaction log. The application DBA/SA will assist the functional users during restart/recovery procedures. The installation DBA/SA will assist functional users when necessary.

For detailed information on database backup and recovery utilities, such as DBEXPORT, DBIMPORT, and DBSCHEMA, refer to Oracle7™ On-Line Administrators Guide, Version 3.1, and Oracle7™ On-Line Users Guide, Version 3.1.

4.3 DATABASE DESIGN LEVEL.

The modelling levels presented here are suited to a top - down system development life cycle, in which successive levels of detail are created during each project phase. The highest level models come in two forms:

?? Entity Relationship Diagram (ERD) and

?? The Key Based (KB) Model

The ERD form identifies major application entities and their relationships. The KB model represents a third form relational model that sets the scope of the application information requirement and delineates the detail.

The DBMS model adopted for this application is the area level information model. This model provides the "Area" scope for the integrated system.

An area information model covers a broad application area that is usually larger than the application single automation project. This model consists of both the ERD and KB model.

The ERD is a high level information model that shows the major entities and the relationships that support a wide application area. The objective of the ERD is to provide a view of application information requirements sufficient to satisfy the need for broad planning and development of its information system.

The KB model, is the third normal form information model that describes the major data structures supporting a wide application area. The objective KB model provides a wide application view of data structures and those keys needed to support the area. This model provides a context in which detailed implementation level models are constructed. The model covers the same scope as the ERD, though in a greater detail.

4.4 SUPPORT SOFTWARE AVAILABLE FOR HANDLING THE DATABASE.

The objective configuration RUU ISM will adhere to open systems architecture. Data information needs require the database management software to use a relational database with ANSI SQL capabilities. To enable interconnection to existing systems, X.25 with TCP/IP, Telnet, 3270 Systems Network Architecture (SNA) and standard synchronous and asynchronous communications software are required.

The current Army installation software environment is composed of DATACOM/DB, ROSCOE, CICS, UNIX/XENIX, MS-DOS, ORACLE, SQL/DS, XDB, DB2, IBM VM/VMS or VM/VSE operating system environment, COBOL and C compilers, in addition to other packages.

The Open Systems Environment (OSE) complies with the following:

a. Operating System:

- Multi-user, multi-tasking
- POSIX compliant
- Diagnostics/monitoring/control capabilities are accessible from a remote control center
- ADA/SQL/GOSIP bindings are available

b. Access Control Mechanisms:

- Keyed to users (by userid)
- Managed by a data administrator and a security officer

c. Program Support:

- ADA and APSE support
- On-Line documentation available
- 4GL/5GL applications generator available
- SQL-compliant database access standard

The following are examples of software available for handling the database:

a. Database analysis tools for reorganizing or changing data include a database definition and manipulation language that is an extension of the ANSI standard SQL.

b. The DB-Monitor software utility is available for the initialization or resizing of the database. This program allows the set up of the initial operating parameters including the server number, maintenance of logical logs and archives, tuning the Oracle7™ On-Line parameters to use disk, memory, and recovery features effectively, and observe status of the system.

c. Database utilities for saving and restoring the database and its data include dbexport, dbimport, dbschema, tbload, tbunload. These utilities are explained in detail within the

Oracle7™ OnLine Administrator's Guide, Version 3.1.

d. Oracle7™ OnLine has facilities to handle failures of both mirrored and non-mirrored media. For example, when the failed medium is mirrored and the primary disk partition, called a chunk is repaired or replaced, the DBA then executes ORACLE-OnLine to recover the chunk, and then it is brought on-line. For explicit details on recovering mirrored and non-mirrored media, reference Oracle7™ On-Line Administrator's Guide, Version 3.1.

5 SOFTWARE UNITS USED FOR DATABASE ACCESS OR MANIPULATION

5.1 DATABASE ACCESS AND MANIPULATION.

Only users who have explicit authorization are allowed to enter, modify, delete, or view RUU data. The SA administrates the system access using a combination of login name, password, and access permissions. Only the persons, to whom login names and passwords are specifically assigned by the SA, shall use them. It is through the "RUU Initialization/Administration Menu", that the RUU administrator controls which user LOGIN ID has access to the specific RUU functions.

5.2 CURRENT ARMY INSTALLATION SOFTWARE ENVIRONMENT.

The current army installation software environment is comprised of DATACOM/DB, ROSCO, CICS, UNIX/XENIX, MS-DOS, ORACLE, SQL/DS, XDB, DB2, IBM VM/MVS or VM/VSE operating system environment, COBOL compilers, C compilers, and many other packages.

5.2.1 Software Units.

This paragraph has been tailored out. The software units that access or manipulate the database are described in "Software Design Descriptions (SDD).

5.3 SOFTWARE ENVIRONMENT.

The RUU runs on any UNIX System V platform against a SQL-compliant RDBMS. Terminals may consist of any ANSI 3.64 type or a personal computer (PC) with a similar emulation program. Printers, modems, and other peripherals will be site specific.

To successfully execute RUU, the system environment should consist of the hardware, software, and utilities designated in paragraphs 5.3.1 and 5.3.2.

NOTE

This ISM application is not dependent upon any one particular model of computer. The hardware described in the following paragraphs is one of the configurations possible for operating the RUU application.

5.3.1 Hardware Required.

Hardware configurations required to support RUU are:

a. Computer. IBM RISC/6000 39H.

b. Local Computer Workstation. 386/486/586 class personal computer, a keyboard, a monitor, power strip/surge suppressor, communications interface.

c. Printers. For reports high-resolution dot-matrix impact printer, with RS-232 serial communications interface and 132 column wide format.

5.3.2 Software Required.

The software required, to run, RUU includes:

a. Operating System (OS). AIX OS Version 4.2 Release Manual. The operating system supervises the work of the computer and provides software utilities.

b. RDBMS. ANSI SQL- compliant Relational database management system (such as Oracle7™ ESQL/C Version 7.3.3). The database is a collection of data, information about indexes, and system catalogs that describe the structure of the database.

c. ISM Application. This is the RUU application software that is used in host mode.

d. Local Operating System. MS-DOS 5.0/6.22 disk operating system. This operating system controls the work of the local installation computer and provides local mode

software utilities.

e. Local Communication Software. Various types of communications protocol software may be used, depending on your installation configuration. This software formats, arranges data for transmission and controls the transfer of data between computers.

5.3.3 Database/Data Bank Characteristics.

RUU is designed using a RDBMS that will:

a. allow installation-unique tables and attributes.

b. provide integration with other portions of the installation central data repository previously developed.

c. use data elements standardized in accordance with (IAW) AR 25-9.

The data elements used for RUU are identified from the FD, the STRAP reports, the STRAP key-based data model, the Joint Application Development sessions, and the Prototyping sessions. Other sources include existing databases, reports, forms, user manuals, and other data stores maintained by the functional organization. These data elements are fully defined in the ADD/ADSS.

The data elements for RUU are integrated into a multifunctional database as part of the ISM-wide data architecture. By accessing this data architecture, each function within has a view of its data. This view will consist of multiple data elements that are contained in a row of one or more tables.

5.4 DATA INTERFACES.

The information that follows shows the context of RUU within the universe of STAMIS and systems with which it interfaces. These interfaces are described below, listed in priority order of establishing the interfaces.

a. ILIDB. The RUU-ILIDB interface is mandatory and of critical importance. RUU will receive selected personnel-related data elements from the ILIDB providing common-use information such as name, rank, location, etc., upon the identification of the soldier by a key field, such as SSN or its derivative. The ILIDB interface is to be read-only i.e. RUU will, upon demand, solicit information from the ILIDB but will not attempt to update ILIDB data. However, an easy-to-use, reliable, and timely method is required to effect corrections in the ILIDB and its source databases in cases where incorrect data are discovered and verified.

b. MACOM/HQDA. This interface requirement includes the ability to send summary data from an installation to its parent MACOM and to HQDA. This interface is two-way; the requirement exists to receive data from the MACOM and HQDA level. An electronic mail (E-Mail) capability is available to link installation users to the MACOMs and HQDA.

c. INPROC. The interface is two way; though in most instances INPROC receives data from RUU.

d. OUTPROC. The interface is two way; though in most instances OUTPROC receives data from RUU

5.5 ERROR HANDLING.

With each SQL statement, RUU checks whether an error has occurred. If one has occurred, a message is sent to the user in a form similar to the following:

SQL ERROR:

ERROR: -284 A Database Error has occurred. Please contact your database administrator to take the required action.

Refer to Oracle-SQL Reference Manual, version 7.0.

5.6 MESSAGES.

RUU error messages are listed alphabetically by label in Section 9. Where the necessary corrective action is not self-explanatory, an explanation is given.

6 REQUIREMENTS TRACEABILITY.

Information pertaining to this section is currently unavailable.

7 NOTES

7.1 SPECIAL INSTRUCTIONS.

The following document references contain instructions to be followed by personnel who generate the "ruu" SADB and use it for testing and operations. These references include Oracle7™ documentation that gives specific information about Oracle7™ database administration.

a. Oracle7™ for AIX-Based Systems Installation & Configuration Guide, Part No.A32105-1.

b. Oracle7™ SQL*Plus User's Guide and Reference, Version 3.1

c. Oracle7™ Server SQL Language Reference Manual, Part Number 778-70-1292.

d. "A Technical Introduction to the Oracle Server" in the "Oracle7™ Server Concepts Manual".

7.2 DATABASE SOFTWARE UTILITIES.

The following list of reference manuals gives detailed instructions on using Oracle7™ database software utilities.

a. Oracle7™ Server documentation.

b. Oracle7™ Tools documentation.

c. Oracle7™ Server Concepts Manual.

d. Oracle7™ Server Utilities User's Guide.

e. Oracle7™ Server Administrator's Guide.

f. Oracle7™ Server SQL Language Reference manual.

g. Oracle7™ Server Messages and Codes manual.

8 TERMS AND ABBREVIATIONS

Terms	Explanation
Chunk	A large continuous section of disk space for ORACLE-On Line.
Disk Mirroring	Storing the same data on two disks simultaneously.
Transaction	A collection of one or more SQL statements that is treated as a single unit of work.
Transaction Log	Called a logical log. A file containing a list of all changes that were performed on a database during the period the log was active.

Abbreviations.

Acronyms	Definition
ACSIM	Assistant Chief of Staff for Installation Management
ADD	Army Data Dictionary
AIMS	Army Installation Management System
AIS	Automated Information System
AISM	Automated Information System Manual
ANSI	American National Standards Institute
ANSOC	Army Network Systems Operator Center
AR	Army Regulation
ARA	Assigned Responsible Agency
AWG	Automation Working Group
CCB	Configuration Control Board
DBDD	Database Design Description
DDN	Defense Data Network
DM	Director of Management
DMC	Defense Mega Center
DPI	Data Processing Installation
EPI	Data Processing Installation
ERD	Entity Relationship Diagram
ESO	Education Services Officer
FD	Functional Description
FOUO	For Official Use Only
FP	Functional Proponent
ILIDB	Installation Level Integrated Database
INPROC	Military Personnel In-Processing
ISM	Installation Support Module
ISEC	Information Systems Engineering Command
ISS	Information Systems Security
KB	Key Based
LAN	Local Area Network
MACOM	Major Command
MAIS	Major Automated Information System
MUX	Multiplexors
OCSA	Office Chief of Staff Army
ODISC[4]	Office of Director of Information System for Command, Control, Communication and Computers
OSE	Open Systems Environment
OUTPROC	Military Personnel Out-Processing
PC	Personal Computer

POSIX	Portable Operating System Interface for Computer Environment
RAM	Random Access Memory
RDBMS	Relational Database Management System
SA	Systems Administrator
SADB	Subject Area Database
SCOM	Software Center Operator Manual
SIDPERS	Standard Installation/Division Personnel System
SIP	Software Installation Plan
SQL	Structured Query Language
SSN	Social Security Number
STAMIS	Standard Army Management Information Systems
STRAP	Structured Requirements Analysis Planning
SUM	Software User Manual
TRANSPROC	Military Personnel Transition Point Processing
TSC	Training Support Center
TSO	Training Support Officer
US-2	Unclassified Sensitive - Two
USAISSDC-W	U.S. Army Information Systems Software Development Center - Washington DC.

9 RUU ERROR MESSAGES

RUU error messages are listed below, alphabetically by label. Where the necessary corrective action is not self-explanatory, it is explained below the message.

CAN'T OPEN FILE

Couldn't open populate_forms() files

Corrective Procedure: Contact your System Administrator.

CANNOT DO SYSTEM CALL

Corrective Procedure: Contact your System Administrator.

Cannot open temp file

The system does not currently allow you to create this file.

Corrective Procedure: Contact your System Administrator regarding this message.

CANNOT OPEN TO FILE

num Filename

Corrective Procedure: Contact your System Administrator, or try again later.

CANNOT WRITE TO FILE

Corrective Procedure: Contact your System Administrator regarding this message.

CONTINGENT SHARES ERROR

Contingent beneficiary shares are not totalling to 100 percent.

This must be corrected before a SGLV-8286 Form can be printed. Press RETURN.

Corrective Procedure: Contingent beneficiary shares must total 100 percent.

DATABASE ERROR

Line num, error text

Corrective Procedure: Contact your system administrator regarding any database error messages.

DB ERROR

Error num

Corrective Procedure: Contact your System Administrator regarding this message.

DB ERROR

Error num on declare cursor

Corrective Procedure: Contact your System Administrator regarding this message.

DB ERROR: ERROR num

Attempting to save changes, but be sure to reverify the input!!!

Corrective Procedure: No corrective action required.

DD Form 93 Designations Warning

You have exceeded the maximum of 10 designations for DD Form 93 benefits. You will not be able to print DD Form 93 until you reduce your total number of benefit designers to 10.

Corrective Procedure: Follow the corrective procedure described above.

DECEASED PARENT WARNING

You have declared this parent as deceased. After returning to the Benefits Designation Form and pressing F3 = SAVE all shares for this person will automatically be cancelled.

Corrective Procedure: No corrective action required.

DECEASED SELECTION WARNING

You have indicated this parent is deceased. Pressing F3 = SAVE, after returning to the form, will cause any previously designated shares to be removed for this person.

Corrective Procedure: No corrective action required.

Death Gratuity Designations Warning

You will not be able to print a DD Form 93 unless total Death Gratuity Shares equals 100 or 0.

Corrective Procedure: Follow the corrective procedure described above.

DEATH GRATUITY SHARES ERROR

Corrective Procedure: Death gratuity shares must be between 0 or 100.

DOB Error

Please enter the date in the form YYYY/MM/DD

Corrective Procedure: Follow the corrective procedure described above.

DOB Error

You are attempting to enter a future date as a Date of Birth.

Corrective Procedure: Re-enter the birth date.

DOB Error

Date of Birth is required for all children.

Corrective Procedure: Return to the SGLV-8286/DD93 Family Member Processing menu and update the DOB for all children.

DUPLICATE RELATION ERROR

You are attempting to add a person with a relation where there should be no duplicates, i.e. FATHER. You must correct this relation or delete the pre-existing one.

Corrective Procedure: Follow the corrective action described above.

Enlisted ASI Error

The Enlisted ASI does not correspond to the soldiers MOS.num

Corrective Procedure: Re-enter a valid ASI for the soldier's MOS.

Enlisted PMOS Error

The Enlisted MOS is not in the Master File application

Corrective Procedure: Select a different MOS code.

Enlisted PMOS Error

The Enlisted Military Rank code is not in the range of num Grades for selected MOS

Corrective Procedure: Enter a PMOS that is valid for this soldiers grade.

ENVIRONMENT ERROR

The env variable TODAY is not set - see your system administrator

Corrective Procedure: Contact your System Administrator.

ENVIRONMENT ERROR

The environmental variable LOGNAME has not been set - see your system administrator

Corrective Procedure: Contact your System Administrator.

ENVIRONMENT ERROR

The variable TODAY is not set - see your system administrator

Corrective Procedure: Contact your System Administrator.

ENVIRONMENT ERROR

The environmental variable FILETEMP is not set - see your system administrator

Corrective Procedure: Contact your System Administrator.

ENVIRONMENT ERROR

Variable G_SSN has not been set - contact system administrator

Corrective Procedure: Contact your System Administrator.

ENVIRONMENT ERROR

variable FILETEMP not set

Corrective Procedure: Contact your System Administrator.

ERROR

Cannot Open File

Corrective Procedure: Contact your System Administrator or retry later.

ERROR

There is no Transaction for this Originator Code

Corrective Procedure: No corrective action required.

ERROR

This person has already been attached to the SSN.

Corrective Procedure: No corrective action required.

ERROR - Access Denied

You do not have access to this area. Talk to your ISM Administrator if you need access to this area.

Corrective Procedure: Contact your ISM Administrator

ERROR - Cannot Delete User

Cannot delete user. Either user does not exist in the ISM database or you selected the main ISM user to delete. Please try again.

Corrective Procedure: Select a different user to delete.

ERROR - Cannot Modify User

Sorry, you cannot modify this user. Since this is the main user for this ISM, I cannot allow you to change or delete him/her.

Corrective Procedure: Select a different user to modify.

ERROR: Cannot open file!!!

No Records Found, there are no Valid Uic's on Base.

Corrective Procedure: The ILIDB is not loaded with unit information, contact your System Administrator.

ERROR - No Such Printer

No such printer is defined for this ISM. Please try again.

Corrective Procedure: Define the printer you are trying to use, or select a different printer.

ERROR - No Such USER!

The user entered does not exist in your UNIX system. Please try again.

Corrective Procedure: Ask your System Administrator why this user doesn't exist if you think it should be valid.

ERROR - SGLV 8286 has not been processed

This soldier has not had their SGLV form completed. You must perform SGLV-8286 Processing on the soldier before you can proceed with printing the soldier's SGLV form 8286.

Corrective Procedure: Go to SGLV processing and complete SGLV processing before trying to print SGLV 8286 for that soldier.

FATAL ERROR

A FATAL ERROR has occurred. Please notify your system administrator

Corrective Procedure: Contact your System Administrator whenever a FATAL ERROR occurs.

FILE OPEN ERROR

WARNING: Unable to open or modify menu file. Contact the system administrator.

Corrective Procedure: Contact your System Administrator regarding this message.

FILE OPEN ERROR

WARNING: Unable to open browse menu file. Contact the system administrator.

Corrective Procedure: Contact your System Administrator.

INAPPROPRIATE RELATION ERROR

You are attempting to add a HUSBAND for a male soldier.

Corrective Procedure: Male soldiers should indicate a female spouse.

INAPPROPRIATE RELATION ERROR

You are attempting to add a WIFE for a female soldier.

Corrective Procedure: Female soldiers should indicate a male spouse.

Incorrect Date

The date entered is incorrect or not in the format [YYYY/MM/DD].

Corrective Procedure: Re-enter the date using the format shown above (Example - January 1, 1992 would be entered as 19920101).

LOCATOR - LOCKED SSN

The SSN selected has been locked by another user. Please try again later.

Corrective Procedure: Follow the corrective action described above.

Lock Failure

The attempt to lock the SSN has failed. Please try again later.

Corrective Procedure: Attempt this function in 10 - 15 minutes.

MISSING COMPLETE LEGAL NAME

Please return to DD93 Processing and fill in the legal name fields.

Corrective Procedure: Follow the corrective procedure described above.

MISSING COMPLETE LEGAL NAME

Please return to SGLV-8286 Processing and fill in the legal name fields.

Corrective Procedure: Follow the corrective procedure described above.

MISSING PAY ERROR

Beneficiaries percentage totals should not exceed 100 percent. Percentage already allocated to other designees is num.

Corrective Procedure: Check to make sure beneficiaries percentage does not exceed 100 percent.

MISSING SOLDIER'S ADDRESS

You must update the soldier's address at Address Maintenance or change the Live With Soldier answer to No.

Corrective Procedure: Follow the corrective action described above.

MISSING STATUS SHARES ERROR

Benefit shares total is incorrect. This must be corrected before a DD Form 93 can be printed.

Corrective Procedure: Missing status shares must be between 0 or 100.

Multiply Defined

This SSN is in the database twice, unable to continue

Corrective Procedure: Contact your System Administrator.

Multiple Spouse SSNs Warning

You have already entered a Spouse's SSN. You will need to remove the previous entry before continuing.

Corrective Procedure: The soldiers spouse can only have one SSN, if you want to change the spouse's SSN you must remove the previous SSN before continuing.

Name error

Name must meet SIDPERS departure format standards

Corrective Procedure: Follow the corrective procedures described above.

No Items Marked

There were no menu items marked. Mark an item by highlighting it and pressing F2.

Corrective Procedure: Use the F2 key to MARK items, marked items will display a ">" next to item.

Officer AOC Error

The Officer AOC is not in the Master File

Corrective Procedure: Select a different AOC.

Officer Skill Level Error

The Officer Skill Level does not match corresponding AOC

Corrective Procedure: Select a different AOC.

POSN Error

The POSN is not in the Master File

Corrective Procedure: Select a different POSN.

Principal Beneficiary Shares Warning

You will not be able to print a SGLV-8286 form unless Principal Shares total to 100 or 0 percent.

Corrective Procedure: Verify that the principal beneficiary shares are 0 or 100 percent.

PRINCIPAL SHARES ERROR

Principal beneficiary shares do not total to 100 percent. This must be corrected before a SGLV-8286 Form can be printed.

Corrective Procedure: Principally beneficiary shares must total 100 percent.

SGLV-8286 DESIGNEES ERROR

SGLV-8286 beneficiaries may not exceed a total of 10. You must delete a previous designee before you may add another.

Corrective Procedure: You already have 10 SGLV-8286 beneficiaries designated, a previous designee must be deleted before a new designee can be added.

SQL ERROR

Error num UPDATE

Corrective Procedure: Contact your System Administrator regarding this message.

SQL ERROR

Error num declare bad_cur cursor

Corrective Procedure: Contact your System Administrator regarding this message.

SQL ERROR

Error num OPEN DATABASE - RUU

Corrective Procedure: Contact your System Administrator regarding this message.

SQL ERROR num

Corrective Procedure: Contact your System Administrator regarding ALL SQL ERRORS.

SQL INSERT ERROR num

Corrective Procedure: Contact your System Administrator.

SQL SELECT ERROR

Line num, table name

Corrective Procedure: Contact your System Administrator regarding this message.

SQL UPDATE ERROR num

Corrective Procedure: Contact your System Administrator.

SQL WARNING

ADHOC warning - num

Corrective Procedure: Contact your System Administrator regarding all SQL WARNINGS.

SSN not found

The SSN entered is not in the database. A SIDPERS Transfer Data Record Transaction must first be run.

Corrective Procedure: Follow the corrective procedure described above.

SYSTEM ERROR

Line num, error text

Corrective Procedure: Contact your system administrator regarding any system error messages.

SYSTEM ERROR

ruu structure malloc returned NULL

Corrective Procedure: Contact your System Administrator.

SYSTEM ERROR

DD-93 text file concatenation

Corrective Procedure: Contact your System Administrator.

SYSTEM ERROR in CLEANUP

On DD93 text file removal

Corrective Procedure: Contact your System Administrator.

SYSTEM ERROR VIEW DD93

Cannot print to screen

Corrective Procedure: Contact your System Administrator regarding this message.

SYSTEM ERROR VIEW DD93

Error on removing temp file

Corrective Procedure: Contact your System Administrator regarding this message.

UNABLE TO OPEN TEXT FILE

Cannot open text file for DD93 processing.

Corrective Procedure: Contact your System Administrator regarding this message.

Unexpected Error

Unexpected error encountered when trying to start program: prg_name. Please contact system administrator.

Corrective Procedure: Contact your System Administrator.

Unpaid Pay Designations Warning

You will not be able to print a DD Form 93 unless total Unpaid Pay Shares equals 100 or 0.

Corrective Procedure: Follow the corrective procedure described above.

UNPAID PAY ERROR

Beneficiaries percentage totals should not exceed 100 percent. Percentage already allocated to other designees is num.

Corrective Procedure: Verify the beneficiaries percentage does not exceed 100 percent.

UNPAID PAY SHARES ERROR

Corrective Procedure: Unpaid pay shares must be between 0 and 100.

WARNING

Soldier is already in database with duty status of PDY

Corrective Procedure: No corrective action required.

WARNING

Soldier is already in database with duty status of DED

Corrective Procedure: No corrective action required.

WARNING

Soldier is not in database can’t create an Arrival Transaction

Corrective Procedure: Add the soldier to the database to proceed with arrival transaction.

WARNING

Soldier is already in database with duty status of PDY

Corrective Procedure: No corrective action required.

WARNING

Soldier is already in database with duty status of DED

Corrective Procedure: No corrective action required.

WARNING

Soldier is not in database; can’t create a Departure Transaction

Corrective Procedure: The soldier must be active in the database before a departure transaction can take place.

WARNING

Soldier is in database with duty status of AWL

Corrective Procedure: No corrective action required.

WARNING

Soldier is in database with duty status of AWC

Corrective Procedure: No corrective action required.

WARNING

Soldier is already in database with duty status of KIA

Corrective Procedure: No corrective action required.

WARNING!

Unable to modify user's LOGIN

Corrective Procedure: The user's login could not be modified, if this is a valid login that should be modified contact your System Administrator.

WARNING!!!

You do not have the lock for this soldier's information. There is not a current lock held for this soldier's information. Attempting to save changes, but be sure to reverify the input!!!

Corrective Procedure: No corrective action required.

WARNING: A SQL DELETE ERROR has occurred

Contact the system administrator

Corrective Procedure: Contact your System Administrator.

WARNING: A SQL UPDATE ERROR has occurred

Contact the system administrator

Corrective Procedure: Contact your System Administrator.

WARNING: MISSING COMPLETE LEGAL NAME

Please return to SGLV-8286 Processing and fill in the legal name fields.

Corrective Procedure: The legal name fields must be filled, return to the SGLV-8286 processing screen and fill in the required fields.

Warrant MOS Error

The Warrant MOS is not in the Master File

Corrective Procedure: Select a different MOS code.

Warrant OFFICER ASI Error

The Warrant Officer ASI does not correspond to the soldiers MOS

Corrective Procedure: Select a different ASI code.

10 RUU HIERARCHY DIAGRAM

~~Menu or Screen Name~~ ~~Executable~~

Master Menu ==> ruu_prg
????1. Peacetime Menu
? ????1. +SIDPERS Transaction Menu
? ? ????1. Add a Soldier to Database (Arrival Transaction)
? ? ????2. Depart a Soldier (Departure Transaction)
? ? ????3. Revoke an Arrival Transaction
? ? ????4. Revoke a Departure Transaction
? ? ????5. Create TDR "N" Transaction
? ? ????6. Create "NX" Transaction
? ? ????7. Create "SEP" Transaction
? ? ????8. Transaction Maintenance Menu
? ? ????1. View/Print SIDPERS Transaction Menu
? ? ????2. Delete SIDPERS Transaction Menu
? ? ????3. Free-Form
? ? ????4. SIDPERS Upload Transaction Menu
? ? ????1. Create Upload Transaction File Tape
? ? ????2. Send Upload Transaction File Electronic
? ?
? ????2. +SGLV-8286/DD93 Family Member Processing
? ? ????1. Address Maintenance
? ? ????2. SGLV-8286 Processing
? ? ????3. DD-93 Processing (Comprehensive)
? ? ????4. DD-93 Processing (Associated Persons)
? ? ????5. Print SGLV-8286/DD-93
? ? ????1. Print SGLV-8286
? ? ????2. Print DD-93
? ? ????3. Print SGLV-8286/DD-93 Worksheet by SSN
? ? ????4. Print SGLV-8286/DD-93 Worksheet by Unit
? ? ????5. Print SGLV-8285
? ? ????6. Load Laser Fonts
? ?
? ????3. =Ad Hoc Query ==> adhoc_prg
? ????1. Create a Basic Ad Hoc Query
? ????2. Create an Advanced Ad Hoc Query
? ????3. Change a Saved Ad Hoc Query
? ????4. Delete Ad Hoc Queries
? ????5. View/Print Saved Ad Hoc Query Results
? ????6. View Saved Ad Hoc Query Statements
?
????2. *Transition to War Menu
????3. *Wartime Menu
????4. *Demobilization Menu
????5. +Customer Assistance Menu
? ????1. Telephone Support
? ????2. *=Message ==> ecps_prg
? ????3. Problem Report
? ? ????1. Add/Change ECP/PR
? ? ????2. Delete ECP/PR
? ? ????3. Submit ECP/PR
? ? ????4. Telnet to STARS BBS
? ?
? ????4. ISM Data Sheet
?
????6. +=Problem Reports/ECP-S Submission ==> ecps_prg
? ????1. Add/Change ECP/PR
? ????2. Delete ECP/PR
? ????3. Submit ECP/PR

RUU Hierarchy Diagram

~~Menu Name or Screen~~ ~~Executable~~

```
M      5
?      ????4.  Telnet to STARS BBS
?              ????1.  View Status of Problem Reports/ECP-S
?              ?       ????1.  Application Software Standard Reports Menu
?              ?       ?       ????1.  All Open ECP-S by DPI Code
?              ?       ?       ????2.  All Closed ECP-S by DPI Code
?              ?       ?       ????3.  All Canceled ECP-S by DPI Code
?              ?       ?       ????4.  All Open PRs by DPI Code
?              ?       ?       ????5.  All Closed PRs by DPI Code
?              ?       ?       ????6.  All Canceled PRs by DPI Code
?              ?       ?
?              ?       ????2.  Executive Software Standard Reports Manu
?              ?               ????1.  All Open ECP-S by AIS Code
?              ?               ?       ????1.  Executive Software Open ECP-S by specific AIS Code
?              ?               ?       ????2.  Application Software Open ECP-S by specific AIS Code
?              ?               ?
?              ?               ????2.  All Closed ECP-S by AIS Code
?              ?               ????3.  All Canceled ECP-S by AIS Code
?              ?               ????4.  All Open PRs by AIS Code
?              ?               ????5.  All Closed PRs by AIS Code
?              ?               ????6.  All Canceled PRs by AIS Code
?              ?
?              ????2.  View Individual Problem Reports/ECP-S
?              ?       ????1.  ISM Application Software
?              ?       ????2.  Executive Software Baseline
?              ?
?              ????3.  View Statistical/Analysis Reports
?              ?       ????1.  ISM Application Software Statistical/Analysis Report Menu
?              ?       ????2.  Executive Software Statistical/Analysis Report Menu
?              ?       ????3.  Application Software Utilization Report
?              ?       ????4.  Listing of User Accounts Not Initialized by the FA
?              ?       ????5.  ISM Network Response Times
?              ?       ????6.  Listing of ISM Functional Administrators
?              ?       ????7.  Sun690 DASD Utilization Reports
?              ?
?              ????4.  View Current Baseline Software Versions
?              ?       ????1.  Application Software
?              ?       ????2.  Executive Software
?              ?
?              ????5.  View Testing Schedule
?              ????6.  View Software Fielding Schedule
?              ????7.  View ISM Points of Contact
?              ????8.  View News Bulletin Board
?
????7. +=RUU Initialization/Admin Menu                                  ==> ism_admin_prg
?      ????1. =Security Administration Menu                              ==> admin_prg
?      ?       ????1.  Add/Change RUU User
?      ?       ????2.  Delete RUU User
?      ?       ????3.  Add Alternate ISM Administrator
?      ?       ????4.  Delete Alternate Administrator
?      ?
?      ????2.  Customize RUU Data Menu
?      ?       ????1.  Codes Control Menu
?      ?
?      ????3. =Setup Installation-Specific Applications Menu             ==> install_prg
?      ?       ????1.  Add/Change Menu Entries
?      ?       ????2.  Delete Menu Entries
?      ?
?      ????4.  Peripheral Administration Menu
?      ?       ????1.  Add/Change Application Printers
?      ?       ????2.  Delete Application Printers
?      ?
```

RUU Hierarchy Diagram - *continued.*

~~Menu Name or Screen~~

```
M       7
?       ????5.  =Ad Hoc Administration                                  ==> admin_prg
?       ?       ????1.  Select Elements to Show
?       ?       ????2.  Add/Change Elements Comments
?       ?
?       ????6.  SIDPERS Reconciliation
?       ????7.  SIDPERS Data Transmission
?               ????1.  Start SIDPERS Send
?               ????2.  Stop SIDPERS Send
?               ????3.  Install SIDPERS Send
?               ????4.  De-install SIDPERS Send
?
????8.  Installation-Specific Applications Menu
????9. *View Documentation/Regulations Menu
        ????1.  View Governing Regulation (Primary)
        ????2.  View End User Manual (EM)
        ????3.  View Implementation Procedure (IP)
        ????4.  View Maintenance Manual (MM)
        ????5.  View ISMSIS
        ????6.  View Configuration Control Manual (CCM)
        ????7.  View Functional Description (FD)
        ????99. Return to Master Menu
```

RUU Hierarchy Diagram

11 RUU DATABASE SCHEMA AND ATTRIBUTES

```
{ DATABASE ruu  delimiter | }

grant dba to “ruusrc”;
grant dba to “oracle”;
grant dba to “ruu”;
grant resource to “inproc”;

{ TABLE “ruu”.printer row size = 95 number of columns = 3 index size = 58 }
create table “ruu”.printer
      (
      device_name ..................char(15).....not null,
      description ..................char(60),
      printer_class ................char(20).....not null
      );
revoke all on “ruu”.printer from “public”;
create unique index “ruu”.ix1_1 on “ruu”.printer (device_name,printer_class);
{ TABLE “ruu”.menu_tbl row size = 140 number of columns = 2 index size = 111 }
create table “ruu”.menu_tbl
      (
      menu_item.....................char(70).....not null,
      command_line..................char(70).....not null
      );
revoke all on “ruu”.menu_tbl from “public”;
create unique index “ruu”.ix3_1 on “ruu”.menu_tbl (menu_item);
{ TABLE “ruu”.insurance_co row size = 78 number of columns = 4 index size = 45 }
create table “ruu”.insurance_co
      (
      ind_ssn ......................char(9).....not null,
      inc_co_key....................integer.....not null,
      ind_cmrlinsco_nm..............char(50),
      ind_cmrlinspo_nr..............char(15)
      );
revoke all on “ruu”.insurance_co from “public”;
create index “ruu”.ix4_1 on “ruu”.insurance_co (ind_ssn);
create unique index “ruu”.ix4_2 on “ruu”.insurance_co (ind_ssn,inc_co_key);
{ TABLE “ruu”.sidpers_trans row size = 105 number of columns = 5 index size = 19 }
create table “ruu”.sidpers_trans
      (
      ind_ssn ......................char(9).....not null,
      origcode......................char(2),
      trans_type ...................char(4),
      trans_date ...................char(10),
      transaction ..................char(80)
      );
revoke all on “ruu”.sidpers_trans from “public”;
create index “ruu”.ix5_1 on “ruu”.sidpers_trans (ind_ssn);
{ TABLE “ruu”.auth_tbl row size = 44 number of columns = 4 index size = 27 }
create table “ruu”.auth_tbl
      (
      logname ......................char(14).....not null,
      fullname .....................char(27),
      origcode......................char(2),
      sys_adm.......................char(1)
      );
revoke all on “ruu”.auth_tbl from “public”;
create unique index “ruu”.ix6_1 on “ruu”.auth_tbl (logname);
{ TABLE “ruu”.sysmenuitems row size = 143 number of columns = 5 index size = 39 }
create table “ruu”.sysmenuitems
      (
      imenuname ....................char(18),
```

```
    itemnum.....integer,
    mtext .....char(60),
    mtype .....char(1),
    progname.....char(60)
    );
revoke all on “ruu”.sysmenuitems from “public”;
create unique index “ruu”.meniidx on “ruu”.sysmenuitems (imenuname,itemnum);
{ TABLE “ruu”.sysmenus row size = 78 number of columns = 2 index size = 33 }
create table “ruu”.sysmenus
    (
    menuname .....char(18),
    title.....char(60)
    );
revoke all on “ruu”.sysmenus from “public”;
create unique index “ruu”.sysmenidx on “ruu”.sysmenus (menuname);
{ TABLE “ruu”.security row size = 78 number of columns = 3 index size = 135 }
create table “ruu”.security
    (
    logname .....char(14).....not null,
    user_id .....integer.....not null,
    item.....char(60).....not null
    );
revoke all on “ruu”.security from “public”;
create index “ruu”.ix7_1 on “ruu”.security (user_id);
create unique index “ruu”.ix7_2 on “ruu”.security (logname,user_id,item);
{ TABLE “ruu”.printer_default row size = 59 number of columns = 4 index size = 27 }
create table “ruu”.printer_default
    (
    username .....char(14).....not null,
    printer_class .....char(20).....not null,
    printer_name .....char(15).....not null,
    form.....char(10)
    );
revoke all on “ruu”.printer_default from “public”;
create table “ruu”.prison_tbl
    (
    ind_ssn(9) .....not null,
    pid number(22).....not null
    parole number(22) .....not null
    );
revoke all on “ruu”.prison_tbl from “public”;
create index “ruu”.ix8_1 on “ruu”.printer_default (username);
{ TABLE “ruu”.sgli_dd93 row size = 307 number of columns = 13 index size = 19 }
create table “ruu”.sgli_dd93
    (
    ind_ssn.....char(9).....not null,
    indiv_first_name .....char(27),
    indiv_middle_name.....char(27),
    indiv_last_name .....char(27),
    sgli_ent_cov_cd .....char(3),
    ind_wl_exst_cd .....char(1),
    paperloc.....char(33),
    disp_rel_id .....char(2),
    ind_emerg_dat_tx.....char(160),
    ind_emrg_ntfn_dt.....char(8),
    ind_em_dat_ver_dt .....char(8),
    any_children.....char(1),
    lt_wound_notify .....char(1)
    min_sglv_processed(1)
    );
revoke all on “ruu”.sgli_dd93 from “public”;
```

```
create unique index “ruu”.ix9_1 on “ruu”.sgli_dd93 (ind_ssn);
{ TABLE “ruu”.assoc_pers_info row size = 143 number of columns = 15 index size = 42 }
create table “ruu”.assoc_pers_info
    (
    ind_ssn ..... char(9) ..... not null,
    rel_id ..... char(2) ..... not null,
    ind_fmly_stat_cd ..... char(1),
    ind_maiden_nm..... char(27),
    active_duty ..... char(1),
    army_mil_rank_ab..... char(3),
    ind_title_tx..... char(12),
    notify_rel_id ..... char(2),
    rsn_non_ntfn_tx..... char(50),
    grd_rel_id ..... char(2),
    sgli_ben_cd ..... char(1),
    benef_ent_pct_nr ..... char(3),
    sgli_ent_pm_cd..... char(1),
    sgli_ben_ub_cd ..... char(1),
    inf_telephone_nr..... char(28)
    );
revoke all on “ruu”.assoc_pers_info from “public”;
create index “ruu”.ix10_1 on “ruu”.assoc_pers_info (ind_ssn);
create unique index “ruu”.ix10_2 on “ruu”.assoc_pers_info (ind_ssn,rel_id);
{ TABLE “ruu”.dd93_ben_entl row size = 15 number of columns = 4 index size = 43 }
create table “ruu”.dd93_ben_entl
    (
    ind_ssn ..... char(9) ..... not null,
    rel_id ..... char(2) ..... not null,
    ben_entl_type_cd..... char(1) ..... not null,
    ben_entl_pct_nr..... char(3)
    );
revoke all on “ruu”.dd93_ben_entl from “public”;
create index “ruu”.ix12_1 on “ruu”.dd93_ben_entl (ind_ssn);
create unique index “ruu”.ix12_2 on “ruu”.dd93_ben_entl (ind_ssn,rel_id,ben_entl_type_cd);
{ TABLE “ruu”.personnel row size = 23 number of columns = 4 index size = 19 }
create table “ruu”.personnel
    (
    ind_ssn ..... char(9) ..... not null,
    posno ..... char(4),
    transtr..... char(4),
    loseuic..... char(6)
    );
revoke all on “ruu”.personnel from “public”;
create unique index “ruu”.ix13_1 on “ruu”.personnel (ind_ssn);
{ TABLE “ruu”.max_id row size = 22 number of columns = 2 index size = 33 }
create table “ruu”.max_id
    (
    tabname ..... char(18) ..... not null,
    maxid ..... integer
    );
revoke all on “ruu”.max_id from “public”;
create unique index “ruu”.ix14_1 on “ruu”.max_ id (tabname);
{ TABLE “ruu”.adhoc_svdet row size = 122 number of columns = 8 index size = 12 }
create table “ruu”.adhoc_svdet
    (
    query_id ..... integer..... not null,
    data_type ..... integer,
    data_text ..... char(60),
    printorder..... integer,
    sort_direct..... char(4),
    condition ..... char(11),
```

```
    value.....char(32),
    and_or.....char(3)
    );
revoke all on “ruu”.adhoc_svdet from “public”;
create index “ruu”.ix115_1 on “ruu”.adhoc_svdet (query_id);
{ TABLE “ruu”.sidpers_send row size = 105 number of columns = 5 index size = 0 }
create table “ruu”.sidpers_send
    (
    ind_ssn.....char(9).....not null,
    origcode.....char(2),
    trans_type.....char(4),
    trans_date.....char(10),
    transaction.....char(80)
    );
revoke all on “ruu”.sidpers_send from “public”;
{ TABLE “ruu”.adhoc_svqry row size = 178 number of columns = 9 index size = 64 }
create table “ruu”.adhoc_svqry
    (
    user_id.....char(8),
    query_name.....char(30),
    query_id.....integer,
    save_date.....char(10),
    comment1.....char(60),
    comment2.....char(60),
    sel_type.....integer,
    adv_query.....char(1),
    show_to_all.....char(1).....not null
    );
revoke all on “ruu”.adhoc_svqry from “public”;
create unique index “ruu”.adhoc_svidx on “ruu”.adhoc_svqry (query_name,user_id,show_to_all);
{ TABLE “ruu”.adhoc_tbl row size = 192 number of columns = 13 index size = 21 }
create table “ruu”.adhoc_tbl
    (
    adhoc_id.....char(10).....not null,
    owner.....char(8),
    table_name.....char(18),
    col_name.....char(18),
    col_length.....smallint,
    col_type.....smallint,
    has_nulls.....char(1),
    dbpath.....char(60),
    alias.....char(20),
    show.....char(1),
    key.....char(1),
    master.....char(1),
    comment1.....char(50)
    );
revoke all on “ruu”.adhoc_tbl from“public”;
create unique index “ruu”.ix15_1 on “ruu”.adhoc_tbl (adhoc_id);
{ TABLE “ruu”.ecps_tbl row size = 3153 number of columns = 22 index size = 24 }
create table “ruu”.ecps_tbl
    (
    origin.....char(12),
    rept_type.....char(14).....not null,
    send_to.....char(28),
    sent_from.....char(25),
    attn.....char(26),
    sent_from2.....char(25),
    poc.....char(20),
    phone.....char(13),
    title.....char(20),
```

```
        priority ..... char(9),
        app_ver..... char(20),
        baseline..... char(20),
        prob_date ..... char(10)..... not null,
        prog_id ..... char(66),
        prob_title ..... char(66),
        prob_descr..... char(960),
        effect ..... char(420),
        rec_sol ..... char(480),
        remarks..... char(900),
        ecps_date ..... char(10)..... not null,
        user_id ..... char(8)..... not null,
        submit ..... char(1)..... not null
        );
revoke all on “ruu”.ecps_tbl from “public”;
create table “ruu”.witness_info
        (
        duty_station ..... char(62)
        witness_name ..... char(30)
        witness_rank..... char(5)
        witness_org ..... char(31)
        last_used ..... char(2)
        );
revoke all on “ruu”.witness_info from “public”;

grant all on “ruu”.printer to “public” as “ruu”;
grant all on “ruu”.menu_tbl to “public” as “ruu”;
grant all on “ruu”.insurance_co to “public” as “ruu”;
grant all on “ruu”.sidpers_trans to “public” as “ruu”;
grant all on “ruu”.auth_tbl to “public” as “ruu”;
grant all on “ruu”.sysmenuitems to “public” as “ruu”;
grant all on “ruu”.sysmenus to “public” as “ruu”;
grant all on “ruu”.security to “public” as “ruu”;
grant all on “ruu”.printer_default to “public” as “ruu”;
grant all on “ruu”.sgli_dd93 to “public” as “ruu”;
grant all on “ruu”.assoc_pers_info to “public” as “ruu”;
grant all on “ruu”.dd93_ben_entl to “public” as “ruu”;
grant all on “ruu”.personnel to “public” as “ruu”;
grant all on “ruu”.max_id to “public” as “ruu”;
grant all on “ruu”.adhoc_svdet to “public” as “ruu”;
grant all on “ruu”.sidpers_send to “public” as “ruu”;
grant all on “ruu”.adhoc_svqry to “public” as “ruu”;
grant all on “ruu”.adhoc_tbl to “public” as “ruu”;
grant all on “ruu”.ecps_tbl to “public” as “ruu”;

create synonym “generic”.printer for “ruu”.printer;
create synonym “generic”.printer_default for “ruu”.printer_default;
create synonym “generic”.max_id for “ruu”.max_id;
create synonym “generic”.ecps_tbl for “ruu”.ecps_tbl;
create synonym “generic”.adhoc_tbl for “ruu”.adhoc_tbl;
create synonym “generic”.adhoc_svqry for “ruu”.adhoc_svqry;
create synonym “generic”.adhoc_svdet for “ruu”.adhoc_svdet;

create synonym “ruu”.i_civilian for ilidb:”oracle”.civilian;
create synonym “ruu”.i_cmd_cd_lookup for ilidb:”oracle”.cmd_cd_lookup;
create synonym “ruu”.i_cmsnd_occ_spec for ilidb:”oracle”.cmsnd_occ_spec;
create synonym “ruu”.i_cmsnd_off for ilidb:”oracle”.cmsnd_off;
create synonym “ruu”.i_co_aoc_lookup for ilidb:”oracle”.co_aoc_lookup;
create synonym “ruu”.i_co_aoc_master for ilidb:”oracle”.co_aoc_master;
create synonym “ruu”.i_enl_mos_lookup for ilidb:”oracle”.enl_mos_lookup;
create synonym “ruu”.i_enl_mos_master for ilidb:”oracle”.enl_mos_master;
```

```
create synonym “ruu”.i_enl_occ_spec for ilidb:”oracle”.enl_occ_spec;
create synonym “ruu”.i_enlisted for ilidb:”oracle”.enlisted;
create synonym “ruu”.i_ind_address for ilidb:”oracle”.ind_address;
create synonym “ruu”.i_ind_appt for ilidb:”oracle”.ind_appt;
create synonym “ruu”.i_ind_assoc for ilidb:”oracle”.ind_assoc;
create synonym “ruu”.i_ind_assoc_addr for ilidb:”oracle”.ind_assoc_addr;
create synonym “ruu”.i_ind_phone for ilidb:”oracle”.ind_phone;
create synonym “ruu”.i_ind_rel_lookup for ilidb:”oracle”.ind_rel_lookup;
create synonym “ruu”.i_individual for ilidb:”oracle”.individual;
create synonym “ruu”.i_max_rel_id for ilidb:”oracle”.max_rel_id;
create synonym “ruu”.i_mil_pers for ilidb:”oracle”.mil_pers;
create synonym“ruu”.i_mil_pers_asg for ilidb:”oracle”.mil_pers_asg;
create synonym “ruu”.i_mil_sfpa for ilidb:”oracle”.mil_sfpa;
create synonym “ruu”.i_pers_test for ilidb:”oracle”.pers_test;
create synonym “ruu”.i_unit for ilidb:”oracle”.unit;
create synonym “ruu”.i_unit_auth_str for ilidb:”oracle”.unit_auth_str;
create synonym “ruu”.i_unit_phone for ilidb:”oracle”.unit_phone;
create synonym “ruu”.i_warr_off for ilidb:”oracle”.warr_off;
create synonym “ruu”.i_wo_mos_lookup for ilidb:”oracle”.wo_mos_lookup;
create synonym “ruu”.i_wo_mos_master for ilidb:”oracle”.wo_mos_master;
create synonym “ruu”.i_wo_occ_spec for ilidb:”oracle”.wo_occ_spec;
create synonym “ruu”.i_workcntr_appt for ilidb:”oracle”.workcntr_appt;
create synonym “ruu”.i_workcntr_doc for ilidb:”oracle”.workcntr_doc;
create synonym “ruu”.i_workcntr_gen_inf for ilidb:”oracle”.workcntr_gen_inf;
create synonym “ruu”.i_workcntr_quest for ilidb:”oracle”.workcntr_quest;
create synonym “ruu”.i_workcntr_skel for ilidb:”oracle”.workcntr_skel;
create synonym “ruu”.i_mil_separation for ilidb:”oracle”.mil_separation;
```

12 DATA DICTIONARY

Explanation of Report Format

NOTE: All information in this report, except RANGE, REQ and DESCRIPTION, is derived from the database schema.

MNEMONIC: The first line in each grouping consists of the database name followed by the table name. Subsequent lines consist of data elements listed within that table in the order they occur in the schema.

TYP: Type of data element:

- B Bit String or Binary Data
- C Character
- D Decimal
- F Floating Point
- I Integer
- S Small Integer

LEN: Length of element (bytes)

NUL: NULLs allowed:

- \- field may have a NULL value
- N field must have a non NULL value

REQ: Indicates whether the value in a field is required in order to add the record:

- \- value is not required
- C value is required according to conditions stated in DESCRIPTION
- R value is required

KEY: Type of key:

- D element is indexed with duplicates allowed
- U record is uniquely identified by a key (Components of the key are identified below by number).

LVL: This identifies the order of the components in the index: Range is 1 (highest level order) thru 16 (lowest level order)

RANGE: Range of allowed values of data element. This information should be derived from the Functional Description.

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
adhoc_svdet								
query_id	I	4	N	R	D		Numeric	Query number located in adhoc_svqry
data_type	I	4					Numeric	Indicates placement in the SQL statement. (See notes)
Notes:- 1=COLUMNS, 2=FROM, 3= WHERE, 4= SORT, 5= USER_WHERE, 99= advanced query.								
data_text	C	60					Free form or alias	Either the Basic Query fields or the Advanced Query Line
printorder	I	4					Numeric	Queue order for printing
sort_direct	C	4					ASC or DESC	Sort direction; how sort is listed - ASC= ascending DESC= descending
condition	C	11					Relational operator	Operators available: =, <>, >=, <=, <, >, LIKE, NOT LIKE
value	C	32					Free form	Value used to compare in where clause
and_or	C	3					AND or OR	Where clause statement connector
adhoc_svqry								
user_id	C	8			U	2	Free form	User identification; login name
query_name	C	30			U	1	Free form	Name of saved query
query_id	I	4					Numeric.	Query identification; unique I.D. number
save_date	C	8					YYYYMMDD	Date that query was made
comment1	C	60					Alphanumeric.	Comment 1 associated with the query.
comment2	C	60					Alphanumeric.	Comment 2 associated with the query.
sel_type	I	4					1, 2, or 3	Selection Type. 1=SELECT ALL, 2=SELECT UNIQUE, 3="SELECT COUNT"
adv_query	C	1					Y or N.	Advanced Query.
show_to_all	C	1			U	3	Y or N.	Show indicator.
adhoc_tbl								
adhoc_id	C	10	N	R	U	*	Alphanumeric.	Ad Hoc id number
owner	C	8					Alphanumeric	database owner
table_name	C	18					Alphanumeric	Table Name
col_name	C	18					Alphanumeric	Column Name
col_length	I	2					Numeric	Column Length
col_type	I	2					Numeric	Column Type
has_nulls	C	1					Alphanumeric	Key field indicating, if null values are allowed.
dbpath	C	60					Alphanumeric	Database path; full column name example: "owner".table.column
alias	C	20					Alphanumeric	Alias name
show	C	1					Alphanumeric	Show indicator
key	C	1					Alphanumeric	Key field indicator code
master	C	1					Alphanumeric	Master indicator code
comment1	C	50					Alphanumeric	Comment 1

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
assoc_pers_info								
ind_ssn	C	9	N	-	U		Alphanumeric	Individual SSN
rel_id	C	2	-		U	2	Alphanumeric	Relation id
Ind_fmly_stat_cd	C	1	-				Alphanumeric	Individual family status code
Ind_maiden_nm	C	27	-				Alphanumeric	Individual maiden name
active_duty	C	1	-				Y or N	Active duty
army_mil_rank_ab	C	3	-				Alphanumeric	Army military rank abbreviation
ind_title_tx	C	12	-				Free form	Individual title text
notify_rel_id	C	2	-				Alphanumeric	Notify relative id
rsn_non_ntfn_tx	C	50	-				Free form	Reason not to notify text
grd_rel_id	C	2	-				Alphanumeric	Grd relative id
sgli_ben_cd	C	1	-				Alphanumeric	Sgli beneficiary code
benef_ent_pct_nr	C	3	-				Alphanumeric	Beneficiary entitlement percentage number
sgli_ent_pm_cd	C	1	-				Alphanumeric	Sgli entitlement payment code
sgli_ben_ub_cd	C	1	-				Alphanumeric	Sgli beneficiary unusual designation (ub) code
inf_telephone_nr	C	28	-				Alphanumeric	Information telephone number
auth_tbl								
logname	C	14	-	U	1		Alphanumeric	Login name of the user
fullname	C	27	-				Alphabetic	Full name (First, Middle and Last)
origcode	C	2	-				Alphanumeric	Originator code
sys_adm	C	1	-				Alphanumeric	System administrator
civilian								
ind_ssn	C	9	N	_	-	-	Alphanumeric	Individual SSN
civ_pay_plan_cd	C	2	-	-	-	-	Alphanumeric	Civilian pay plan code
civ_py_gr_lvl_nr	C	2	-	-	-	-	Alphanumeric	Civilian pay grade level number
civ_rt_sc_dt	C	8	-	-	-	-	YYYYMMDD	Civilian return service date
civ_occ_ser_nr	C	5	-	-	-	-	Alphanumeric	Civilian occupation service number
civ_empl_step_nr	C	2	-	-	-	-	Alphanumeric	Civilian employee step number
civ_rt_prg_cd	C	1	-	-	-	-	Alphanumeric	Civilian return program code
civ_mil_rt_cd	C	1	-	-	-	-	Alphanumeric	Civilian military return code
cmd_cd_lookup								
stru_command_cd	C	2	N				Free form	Structured command code
command_name	C	60	-	-	-	-	Alphanumeric	Command name
cmsnd_occ_spec								
ind_ssn	C	9	N				Alphanumeric	Individual SSN
occ_spc_desig_cd	C	1	N	-	-		Alphanumeric	Occupation specialty designator code
cmsnd_off_aoc_id	C	3	-	-	-	-	Alphanumeric	Commissioned Officer Area of Concentration (AOC) id
com_off_skill_cd	C	2	-	-	-	-	Alphanumeric	Commissioned Officer skill code
cmsnd_off								

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
ind_ssn	C	9	N				Alphanumeric	Individual SSN
co_cr_mgmt_cntl_cd	C	2	-	-	-	-	Alphanumeric	Commissioned Officer carrier management control code
off_esa_dt	C	8	-	-	-	-	YYYYMMDD	Officer service agreement expiration date
co_basic_br_cd	C	2	-	-	-	-	Alphanumeric	Commissioned officer basic branch code
co_aoc_lookup								
cmsnd_off_aoc_id	C	3	N				Alphanumeric	Commissioned Officer AOC id
com_off_skill_cd	C	2	N				Alphanumeric	Commissioned Officer skill code
co_aoc_master								
cmsnd_off_aoc_id	C	3	N				Alphanumeric	Commissioned Officer AOC id
mil_auth_sex_cd	C	1	-				M or F	Military Authorized Sex code
dd93_ben_entl								
ind_ssn	C	9	-		U	1	Alphanumeric	Individual SSN
rel_id	C	2	-		U	2	Alphanumeric	Relationship id
ben_entl_type_cd	C	1	-		U	3	Alphanumeric	Beneficiary entitlement type code
ben_entl_pct_nr	C	3	-				Alphanumeric	Beneficiary entitlement percentage number
ecps_tbl								
origin	C	12	-				Alphanumeric; Cannot be blank	Originator Number.
prob_date	C	10	-				Alphanumeric	Problem Report Date
rept_type	C	14	-				Alphanumeric; cannot be blank	Unit In-processing Report Type.
send_to	C	28	-				Alphanumeric	Send To Address.
sent_from	C	25	-				Alphanumeric	Sent From Address.
attn	C	26	-				Alphanumeric	Attention Line.
sent_from2	C	25	-				Alphanumeric	Sent From Address Line 2
poc	C	20	-				Alphanumeric	Point of Contact
phone	C	13	-				Alphanumeric	Telephone Number
title	C	20	-				Alphanumeric	Title of Problem.
priority	C	9	-				Alphanumeric	Priority
app_ver	C	20	-				Alphanumeric	Application version
baseline	C	20	-				Alphanumeric	Baseline
prog_id	C	66	-				Alphanumeric	Program Identification.
prob_title	C	66	-				Alphanumeric	Problem Title
prob_descr	C	960	-				Alphanumeric	Problem Description
effect	C	420	-				Alphanumeric	Effect to User.
rec_sol	C	480	-				Alphanumeric	Recommended Solution.
remarks	C	900	-				Alphanumeric	Remarks
ecps_date	C	10	-				YYYYMMDD	ECP-S date.
user_id	C	8	-				Alphanumeric; cannot be blank	User Identification.

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
Submit	C	1	-				Y or N, cannot be blank	Submitted for remedy.
enl_mos_lookup								
enl_mos_id	C	3	N	3			Alphanumeric	Enlisted military occupational specialty id
enl_skl_lvl_nr	C	1	N	3			Alphanumeric	Enlisted skill level number
enl_asi_cd	C	2	N	3			Alphanumeric	Enlisted Additional Skill Identifier (ASI) code
enl_mos_master								
enl_mos_id	C	3	N	3			Alphanumeric	Enlisted Military Occupational Specialty (MOS) id
enl_skl_lvl_nr	C	1	N	3	-	-	Alphanumeric	Enlisted skill level number
enl_sqi_cd	C	1	N	3	-	-	Alphanumeric	Enlisted skill qualification identifier code
low_auth_gr	C	1	-	-	-	-	Alphanumeric	Low authorized grade
high_auth_gr	C	1	-	-	-	-	Alphanumeric	High authorized grade
mil_auth_sex_cd	C	1	-	-	-	-	M or F	Authorized gender code
enl_occ_spec								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
occ_spc_desig_cd	C	1	N	3	-	-	Alphanumeric	Occupation specialty designator code
enl_mos_id	C	3	-				Alphanumeric	Enlisted MOS id
enl_skl_lvl_nr	C	1	-				Alphanumeric	Enlisted Skill Level Number
enl_sqi_cd	C	1	-				Alphanumeric	Enlisted Special Qualification Indicator (SQI) code
enl_asi_cd	C	2	N				Alphanumeric	Enlisted ASI code
enlisted								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
mil_ets_dt	C	8	N				YYYYMMDD	Military Expiration Term of Service (ETS) date
sol_recent_el_cd	C	2	-				Alphanumeric	Soldier recent eligibility code
ind_address								
ind_ssn	C	9	N	2			Alphanumeric	Individual SSN
ind_addr_type_cd	C	1	N	1			Alphanumeric	Individual address type code
ind_addr_city_nm	C	17	N				Alphabetic	Individual address city name
ind_addr_ctry_cd	C	2	N				Alphanumeric	Individual address country code
ind_addr_forn_nr	C	10	N				Alphanumeric	Individual address foriegn number
ind_addr_gtwy_ab	C	3	N				Alphanumeric	Individual address gateway abbreviation
ind_adr_state_ab	C	2	-				Alphanumeric	Individual address state abbreviation
ind_addr_zip_cd	C	9	-				Alphanumeric	Individual address ZIP Code
ind_addr_loc_tx	C	60	-				Free form	Individual address location text
ind_appt								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
org_wc_nm	C	20	N	3			Free form	Organization work center name
org_wc_appt_dt	C	8	N				YYYYMMDD	Organization work center appointment date

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
org_wc_appt_tm	C	4	N				HHMM	Organization work center appointment time
auth_ind_nm	C	27	N				Alphabetic	Authorized individual name
org_wc_cmp_dt	C	8	N				YYYYMMDD	Organization work center completion date
org_wc_cmp_tm	C	4	N				HHMM	Organization work center completion time
org_wc_in_out_cd	C	1	N	3			Alphanumeric	Organization work center In-processing/Out-Processing code
org_wc_commnt_tx	C	150	N				Free form	Organization work center comments text
ind_assoc								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
rel_id	C	2	N	3			Alphanumeric	Sequential relation ID
ind_fmly_mbr_cd	C	2	N				Alphanumeric	Individual family member code
indiv_name	C	27	N				Alphabetic	Individual family member name
birth_dt	C	8	N				YYYYMMDD	Birth date
ind_fmly_ssn	C	9	N				Alphanumeric	Individual family member SSN
ind_sex_code	C	1	N				M or F	Individual family member gender
ind_unifd_svc_cd	C	1	N				Alphanumeric	Individual unified service code
depn_indic_cd	C	1	N				Alphanumeric	Dependent indicator code
separate_addr_cd	C	1	N				Alphanumeric	Separate address code
ind_benif_cd	C	1	N				Alphanumeric	Beneficiary ID Code
ind_assoc_src_cd	C	1	N				Alphanumeric	Individual associate service center code
app_flag	C	1	N				alphanumeric	Application flag
ind_assoc_addr								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
rel_id	C	2	N	3			Alphanumeric	Sequential relation ID
ind_addr_city_nm	C	17	N				Alphabetic	Individual address city name
ind_addr_ctry_cd	C	2	N				Alphanumeric	Individual address country code
ind_addr_forn_nr	C	10	N				Alphanumeric	Individual address foriegn number
ind_addr_gtwy_ab	C	3	N				Alphabetic	Individual address gateway abbreviation
ind_adr_state_ab	C	2	N				Alphabetic	Individual address state abbreviation
ind_addr_zip_cd	C	9	N				Alphanumeric	Individual address zip code
ind_addr_loc_tx	C	60	N				Free form	Individual address location text
ind_addr_gtwy_cd	C	2	-				Alphabetic	Individual address gateway code
ind_addr_forn_st	C	2	-				Alphanumeric	Individual address foriegn state
ind_phone								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
ind_telnr_type_cd	C	1	N	3			Alphanumeric	Individual phone number type code
inf_telnr_pur_cd	C	1	N	3			Alphanumeric	Information phone number purpose code
inf_tele_sys_cd	C	1	N	3			Alphanumeric	Information telephone system code
inf_telephone_nr	C	28	N				Alphanumeric	Information phone number

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
ind_rel_lookup								
ind_benif_cd	C	1	N				Alphanumeric	Individual beneficiary code
ind_fmly_mbr_cd	C	2	N				Alphanumeric	Individual family member code
ind_rel_txt	C	17	N				Free form	Individual family member description
ind_rel_type_cd	C	1	N				N, I, B, J, E	Type of family member
individual								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
indiv_name	C	27	-				Alphabetic	Individual name
un_svc_dsg_cd	C	1	-				Alphanumeric	Unit service designator code
un_prog_dsg_id	C	3	N				Alphanumeric	Unit parent organization designator id
un_descr_dsg_id	C	2	N				Alphanumeric	Unit descriptive designator id
org_id	C	6	N				Alphanumeric	Organization id
birth_dt	C	8	N				YYYYMMDD	Birth date
ind_usctz_sta_cd	C	1	N				Alphanumeric	Individual US citizenship status code
ind_hiv_tst_ymdt	C	6	N				YYMMDD	Individual HIV test year-month-date
ind_race_pop_cd	C	1	N				Alphanumeric	Individual race population code
ind_sex_code	C	1	N				M or F	Individual gender code
civ_educ_lv_cd	C	1	N				Alphanumeric	Civilian education level code
ind_martl_st_cd	C	1	N				Alphanumeric	Individual marital status code
pri_lang_cd	C	2	N				Alphanumeric	Primary language code
sec_lang_cd	C	2	N				Alphanumeric	Secondary language code
ind_vssn_cd	C	1	N				Alphanumeric	Individual SSN verification code
pers_si_comp_cd	C	1	N				Alphanumeric	Personal security investigation completion code
pers_si_comp_dt	C	8	N				YYYYMMDD	Personal security investigation completion date
pers_si_init_cd	C	1	N				Alphanumeric	Personal security investigation initiated code
pers_si_init_dt	C	8	N				YYYYMMDD	Personal security investigation initiated date
ind_birth_sta_cd	C	2	N	2			Alphabetic	Individual birth state code
ind_brth_city_nm	C	17	N				Alphanumeric	Individual birth city name
ind_brth_ctry_cd	C	2	N				Alphabetic	Individual birth country code
ind_ctzp_ctry_cd	C	2	N				Alphanumeric	Individual citizenship country code
ind_ctzsp_org_cd	C	1	N				Alphanumeric	Individual citizenship organization code
ind_ethnic_cd	C	1	-				Alphanumeric	Individual ethnic code
insurance_co								
ind_ssn	C	9	-	U	1		Alphanumeric	Individual SSN
inc_co_key	I	4	N	U	2		Numeric	Insurance company key
ind_cmrlinsco_nm	C	50	N				Alphanumeric	Individual commercial insurance company name
ind_cmrlinspo_nr	C	15	N				Alphanumeric	Individual commercial insurance policy number

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
max_id								
tabname	C	18	N	R	U	1	alphanumeric	Legal table name
maxid	I	4	N	R			number	Last row number of table
max_rel_id								
ind_ssn	C	9	N				Alphanumeric	Individual SSN
rel_id	C	2	N				Alphanumeric	Relation id
menu_tbl								
menu_item	C	70	N	R	U	1	Free Form	Description of what command does
command_line	C	70	N	R			Free Form	UNIX system command
mil_pers								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
ar_ml_rnk_eff_dt	C	8	N				YYYYMMDD	Army military rank effective date
army_mil_rank_ab	C	3	N				Alphanumeric	Army military rank abbreviation
army_mil_rank_cd	C	2	N				Alphanumeric	Army military rank code
army_mil_rank_dt	C	8	N				YYYYMMDD	Army military rank date
asg_arr_dt	C	8	N				YYYYMMDD	Assignment arrival date
asg_deros_dt	C	8	N				YYYYMMDD	Overseas assignment date
asg_dprt_dt	C	8	N				YYYYMMDD	Assignment departure date
asg_dlos_dt	C	8	N				YYYYMMDD	Assignment date of loss (dlos) date
asg_proj_arr_dt	C	8	N				YYYYMMDD	Assignment project arrival date
asg_dros_dt	C	8	N				YYYYMMDD	Assignment departure overseas date
basd	C	8	N				YYYYMMDD	Military basic active date
bped	C	8	N				YYYYMMDD	Basic pay entry date
mil_ad_ent_cy_nm	C	17	N				Alphabetic	Military active duty entry city name
mil_ad_ent_st_cd	C	2	N				Alphanumeric	Military active duty entry state code
mil_dy_stat_ab	C	3	N				Alphanumeric	Military duty state abbreviation
mil_ead_dt	C	8	N				YYYYMMDD	Military entry active duty date
mil_educ_lvl_cd	C	1	N				Alphanumeric	Military education level code
mil_pers_clas_cd	C	1	N				Alphanumeric	Military personnel class code
mil_phypr_dylm_cd	C	1	N				Alphanumeric	Military physical profile duty limitation code
mil_sqt_score_qy	C	3	N				Alphanumeric	Military skill qualification test score quantity
mil_svc_comp_cd	C	1	N				Alphanumeric	Military service completion date
mil_pulhes	C	6	N				Alphanumeric	Military PULHES code
prom_indic_cd	C	1	N				Alphanumeric	Promotion indicator code
mil_rec_stat_cd	C	1	N				Alphanumeric	Military recruitment status code
mil_attached_cd	C	1	N				Alphanumeric	Military attached indicator code
mil_asg_posn_nr	C	4	N				Alphanumeric	Military assigned position indicator
mil_delay_sep_cd	C	1	N				Alphanumeric	Military delay separator code
mil_svc_agree_cd	C	1	N				Alphanumeric	Military service agreement code

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
mil_photo_sus_dt	C	6	N				YYMMDD	Military photo suspense date
mil_last_pcs_dt	C	6	N				YYMMDD	Military date of last permanent change of station date
afrm_award_el_dt	C	6	N				YYMMDD	Date eligible for Armed Forces Reserve Medal award date
ind_veap_stat_cd	C	1	N				alphanumeric	Individual veap status code
mil_pers_asg								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
mil_pot_gain_upc	C	5	N				Alphanumeric	Military potential gaining UPC
mil_ult_gain_upc	C	5	N				Alphanumeric	Military ultimate gaining UPC
mil_prev_rpt_dt	C	8	N				YYYYMMDD	Military previous report date
mil_prev_dprt_dt	C	8	N				YYYYMMDD	Military previous departure date
mil_curr_tdy_qy	I	4	N				Numeric	Military current days of TDY quantity
mil_curr_lv_qy	I	4	N				Numeric	Military current days of leave quantity
mil_mv_desig_cd	C	2	N				Alphanumeric	Military movement designator code
mil_prev_tdy_qy	I	4	N				Numeric	Military previous days of TDY quantity
mil_prev_lv_qy	I	4	N				Numeric	Military previous days of leave quantity
mil_pers_flag								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
fst_susp_act_cd	C	2	N				Alphanumeric	First suspension of action code
fst_susp_act_dt	C	8	N				YYYYMMDD	First suspension of action date
snd_susp_act_cd	C	2	N				Alphanumeric	Second suspension of action code
snd_susp_act_dt	C	8	N				YYYYMMDD	Second suspension of action date
pers_test								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
pers_test_typ_cd	C	2	N	3			Alphanumeric	Army personnel test type code
per_tst_apt_ar_cd	C	2	N	3			Alphanumeric	Army personnel test aptitute arrival code
apt_score_qy	C	3	N				Alphanumeric	Army personnel test code quantity
apt_yr_mo_dt	C	6	N				YYMMDD	Appointment year, month and date
personnel								
ind_ssn	C	9	N		U	1	Alphanumeric	Individual SSN
posno	C	4	N				Alphanumeric	Position number
transtr	C	4	N				Alphanumeric	Transaction strength
loseuic	C	6	N				Alphanumeric	Loosing Unit Identification Code (UIC)
printer								
device_name	C	15	N	R	U	1	Submenu only	Submenu only name of printer
description	C	60	N	R			Free Form	Description of the available printer
printer_class	C	20	N	R	U	2	Submenu only	Printer class option
printer_default								
username	C	14	N	R	U	1	Login name	Valid user name

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
printer_class	C	20	N	R	U	2	Free Form	printer class options
printer_name	C	15	N	R	U	3	Alphanumeric	printer name
form	C	10	N	R			Form name	associated form name
prison_tbl								
ind_ssn	C	9	N		U	1	Alphanumeric	Individual Social Security Number
PID Number	I	4	N				Numeric	Process ID
Parole	I	4	N				Numeric	Parole Number
security								
logname	C	14	N	R	U	1	Alphanumeric	The login name of the user
user_id	I	4	N	R	U	2	Number	Field 3 of etc/passwd
item	C	60	N	R	U	3	Field Label	Only the field labels found on the security form can be saved
sgli_dd93								
ind_ssn	C	9	N		U	1	Alphanumeric	Individual SSN
indiv_first_name	C	27	N				Alphabetic	Individual first name
indiv_middle_name	C	27	N				Alphabetic	Individual middle name
indiv_last_name	C	27	N				Alphabetic	Individual last name
sgli_ent_cov_cd	C	3	N				Alphanumeric	SGLI entitlement coverage code
ind_wl_exst_cd	C	1	N				Alphanumeric	Individual withdrawal existence code
paperloc	C	33	N				Free form	Paper location
disp_rel_id	C	2	N				Alphanumeric	Display relative id
ind_emerg_dat_tx	C	160	N				Free form	Individual emergency data text
ind_emrg_ntfn_dt	C	8	N				YYYYMMDD	Individual emergency notification date
ind_em_dat_ver_dt	C	8	N				YYYYMMDD	Individual emergency data verification date
any_children	C	1	N				Y or N	Yes or No
lt_wound_notify	C	1	N				Y or N	Notify in case of light wound
min_sglv_processed	C	1	N				Alphanumeric	Minimum sgli processed
sidpers_send								
ind_ssn	C	9	N		D	1	Alphanumeric	Individual SSN
origcode	C	2	N				Alphanumeric	Originator code
trans_type	C	4	N				Alphanumeric	Transaction type
trans_date	C	10	N				YYYY/MM/DD	Transaction date
transaction	C	80	N				Free form	Transaction
sidpers_trans								
ind_ssn	C	9	N		D	1	Alphanumeric	Individual SSN
origcode	C	2	N				Alphanumeric	Originator code
trans_type	C	4	N				Alphanumeric	Transaction type
trans_date	C	10	N				YYYY/MM/DD	Transaction date
transaction	C	80	N				Free form	Transaction
sysmenuitems								

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
imenuname	C	18	N		U	1	Alphanumeric	Item menu name
itemnum	I	4	N		U	2	Numeric	Menu item number
mtext	C	60	N				Free form	Menu text
mtype	C	1	N				Alphanumeric	Menu type
progname	C	60	N				Free form	Program name
sysmenus								
menuname	C	18	N		U	1	Alphanumeric	Menu name
title	C	60	N				Free form	Title
unit								
un_svc_dsg_cd	C	1	N	3			Alphanumeric	Unit service designator code
un_porg_dsg_id	C	3	N	3			Alphanumeric	Unit parent organization designator id
un_descr_dsg_id	C	2	N	3			Alphanumeric	Unit descriptive designator id
org_id	C	6	N	3			Alphanumeric	Organization id
un_office_sym	C	16	N	3			Alphanumeric	Unit office symbol
unit_name	C	30	N	3			Free form	Unit name
stru_command_cd	C	2	N	3			Alphanumeric	Structured command code
org_addr_city_nm	C	17	N	3			Alphabetic	Organization address city name
org_addr_ctry_cd	C	2	N	3			Alphanumeric	Organization address country code
org_addr_forn_nr	C	9	N	3			Alphanumeric	Organization address foreign number
org_addr_gtwy_ab	C	3	N	3			Alphanumeric	Organization address gateway abbreviation
org_adr_state_ab	C	2	N	3			Alphanumeric	Original address state abbreviation
org_addr_zip_cd	C	9	N	3			Alphanumeric	Organization address zip code
org_addr_loc_tx	C	60	N	3			Free form	Organization address location text
org_addr_gtwy_cd	C	2	N	3			Alphanumeric	Organization address gateway code
unit_auth_str								
un_porg_dsg_id	C	3	N	3			Alphanumeric	Unit parent organization designator id
un_descr_dsg_id	C	2	N	3			Alphanumeric	Unit descriptive designator id
mil_asg_posn_nr	C	4	N	3			Alphanumeric	Military assigned position number
auth_occ_spec	C	5	N	3			Alphanumeric	Authorized occupational specialty
army_mil_rank_ab	C	3	N	3			Alphanumeric	Army Military rank abbreviation
army_mil_rank_cd	C	2	N	3			Alphanumeric	Army Military rank code
mil_auth_sex_cd	C	1	N	3			M or F	Military authorized gender code
auth_asi_cd	C	2	N	3			Alphanumeric	Authorized ASI code
req_lang_cd	C	2	N	3			Alphanumeric	Required language code
unit_phone								
un_svc_dsg_cd	C	1	N	3			Alphanumeric	Unit service designator code
un_porg_dsg_id	C	3	N	3			Alphanumeric	Unit parent organization designator id
un_descr_dsg_id	C	2	N	3			Alphanumeric	Unit descriptive designator id
org_tel_type_cd	C	1	N	3			Alphanumeric	Organization telephone type code
inf_telnr_pur_cd	C	1	N	3			Alphanumeric	Information telephone purpose code

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
inf_tele_sys_cd	C	1	N	3			Alphanumeric	Information telephone system code
org_id	C	6	N	3			Alphanumeric	Organization id
inf_telephone_nr	C	28	N	3			Alphanumeric	Information telephone number
warr_off								
ind_ssn	C	9	N	4			Alphanumeric	Individual SSN
wo_mgmt_br_cd	C	2	N	4			Alphanumeric	Warrant officer management branch code
off_esa_dt	C	8	N	4			YYYYMMDD	Officer service agreement expiration date
witness_info								
duty_station	C	62	N				Alphanumeric	Duty station
witness_name	C	30	N				Alphanumeric	Name of witness
witness_rank	C	5	N				Alphanumeric	Rank of witness
witness_org	C	31	N				Alphanumeric	Organization of witness
last_used	C	2	-				Alphanumeric	last used
wo_mos_lookup								
wo_mos_id	C	4	N	3			Alphanumeric	Warrant officer MOS id
wo_asi_cd	C	2	N	3			Alphanumeric	Warrant Officer ASI code
wo_mos_master								
wo_mos_id	C	4	N				Alphanumeric	Warrant Officer MOS id
wo_sqi_cd	C	1	N	3			Alphanumeric	Warrant Officer SQI id
mil_auth_sex_cd	C	1	N	3			M or F	Military Authorized gender code
wo_occ_spec								
ind_ssn	C	9	N	3			Alphanumeric	Individual SSN
occ_spc_desig_cd	C	1	N	3			Alphanumeric	Occupational specialty designator code
wo_mos_id	C	4	N	3			Alphanumeric	Warrant Officer MOS id
wo_sqi_cd	C	1	N	3			Alphanumeric	Warrant Officer SQI code
wo_asi_cd	C	2	N	3			Alphanumeric	Warrant Officer ASI code
workcntr_appt								
org_wc_nm	C	20	N	3			Free form	Organization work center name
org_wc_appt_dt	C	8	N	3			YYYYMMDD	Organization work center appointment date
org_wc_appt_tm	C	4	N	3			HHMM	Organization work center appointment time
org_wc_apt_cp_nr	I	4	N	3			Numeric	Org. work center appointment capacity number
org_wc_apt_us_nr	I	4	N	3			Numeric	Org. work center appointment used number
org_wc_apt_orig_cd	C	1	N	3			Alphanumeric	Org. work center appointment originator code
workcntr_doc								
org_wc_nm	C	20	N	2			Free form	Organization work center name
org_wc_doc_nm	C	40	N	2			Free form	Organization work center document name
org_wc_doc_pr_cd	C	1	N	2			Alphanumeric	Org. work center document presence code
workcntr_gen_inf								

MNEMONIC	TYP	LEN	NUL	REQ	KEY	LVL	RANGE	DESCRIPTION
org_wc_nm	C	20	N	4			Free form	Organization work center name
org_wc_apt_rq_cd	C	1	N	4			Alphanumeric	Org. work center appointment required code
org_wc_apt_dr_hr	I	4	N	4			HHHH	Org. work center appointment duration in hours
org_wc_apt_dr_mn	I	4	N	4			MMMM	Org. work center appointment duration in minutes
org_addr_loc_tx	C	20	N	4			Free form	Organization address location text
org_wc_ip_pr_nr	C	3	N	4			Alphanumeric	Org. work center In-Processing priority number
instl_nm	C	25	N	4			Alphanumeric	Installation name
org_wc_prc_rq_cd	C	1	N	4			Alphanumeric	Org. work center processing required code
org_wc_offhrs_tx	C	100	N	4			Free form	Organization work center office hours text
un_office_sym	C	16	N	4			Alphanumeric	Unit office symbol
org_wc_ola_cd	C	1	N	4			Alphanumeric	Organization work center on-line access code
org_wc_op_pr_nr	C	3	N	4			Alphanumeric	Org. work center Out-Processing priority number
org_wc_sch_cd	C	1	N	4			Alphanumeric	Organization work center scheduling code
inf_telephone_nr	C	28	N	4			Alphanumeric	Organization work center telephone number
workcntr_quest								
org_wc_nm	C	20	N	2			Free form	Organization work center name
org_wc_disp_cd	C	3	N	2			Alphanumeric	Organization work center display code
org_wc_quest_tx	C	100	N	2			Free form	Organization work center question text
org_wc_qu_ty_cd	C	1	N	2			Alphanumeric	Organization work center question type code
workcntr_skel								
org_wc_nm	C	20	N	3			Free form	Organization work center name
weekday_cd	I	4	N	3			Numeric	Week day code
org_wc_apt_st_tm	C	4	N	3			HHMM	Organization work center appointment start time
org_wc_apt_cp_nr	I	4	N	3			Numeric	Org. work center appointment capacity number
weekday_nm	C	3	N	3			Alphabetic	Weekday name

13 CROSS REFERENCE TABLE

Explanation of Report Format

NOTE: All information in this report, except RANGE, REQ and DESCRIPTION, is derived from the appropriate schemas.

MNEMONIC: Column name of data element. Data elements are listed here in alphabetical order by mnemonic name, table name and database name.

TYP: Type of Data Element

B	Bit String or Binary Data
C	Character
D	Decimal
F	Floating Point
I	Integer
S	Small Integer

LEN: Length of Element (Characters)

NUL: NULLs Allowed:

-	field may have a NULL value
N	field must have a non NULL value

IDX: The highest applicable of the following is shown.

-	Element is not indexed
1	Element is a component of an index key with duplicates allowed
2	Element is an index key with duplicates allowed
3	Element is a component of an unique index key
4	Element is a unique index key

DB: Database that contains data element. This field is suppressed and replaced with a '-' if either the element name and database of this element are the same as the previous element or if the database and table of the element are the same as the previous element.

TABLE: Database table that contains data element. This field is suppressed and replaced with a '-' if the table and database of this element is the same as the previous element.

RANGE: Range of allowed values of data element. This information should be derived from the Functional Description.

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
active_duty	C	1	N		ruu	assoc_pers_info	Y or N	active duty
adhoc_id	C	10	N		ruu	adhoc_tbl	Text Number	adhoc id number
adv_query	C	1	N		ruu	adhoc_svqry	Y or N	Y = advanced query, N = basic query
afrm_award_el_dt	C	6	N		ilidb	mil_pers	YYMMDD	Date eligible for Armed Forces Reserve Medal
alias	C	30	N		ruu	adhoc_tbl	Free Form	alias name
and_or	C	3	N		ruu	adhoc_svdet	AND or OR	where clause statement connector
any_children	C	1	N		ruu	sgli_dd93	Y or N	Yes or No
app_flag	C	1	N		ilidb	ind_assoc	Alphanumeric	T,A
app_ver	C	20	N		ruu	ecps_ver	Alphanumeric.	Application version
apt_score_qy	C	3	N		ilidb	pers_test	Alphanumeric	Army Personnel Test score quantity
apt_yr_mo_dt	C	6	N		ilidb	pers_test	YYMMDD	appointment year, month and date
ar_ml_rnk_eff_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Army Military rank effective date
army_mil_rank_ab	C	3	N		ruu	assoc_pers_info	Alphanumeric	Army Military rank abbreviation
army_mil_rank_ab	C	3	N		ilidb	mil_pers	Alphanumeric	Army military rank abbreviation
army_mil_rank_ab	C	3	N		ilidb	unit_auth_str	Alphanumeric	Army Military rank abbreviation
army_mil_rank_cd	C	2	N		ilidb	mil_pers	Alphanumeric	Army Military rank Code
army_mil_rank_cd	C	2	N		ilidb	unit_auth_str	Alphanumeric	Army Military rank Code
army_mil_rank_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Army Military rank Date
asg_arr_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Assignment arrival date
asg_deros_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Overseas assignment deros date
asg_dlos_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Anticipated dlos
asg_dprt_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Assignment Departure date
asg_dros_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Overseas Assignment dros date
asg_proj_arr_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Assignment Projected arrival date
attn	C	26	N		ruu	ecps_tbl	Alphanumeric	Attention Line.
auth_asi_cd	C	2	N		ilidb	unit_auth_str	Alphanumeric	Authorized ASI code
auth_ind_nm	C	27	N		ilidb	ind_appt	Alphabetic	Authorized individual name
auth_occ_spec	C	5	N		ilidb	unit_auth_str	Alphanumeric	Authorized Occupational specialty
basd	C	8	N		ilidb	mil_pers	YYYYMMDD	Military Basic Active duty date
baseline	C	20	N		ruu	ecps_tbl	Alphanumeric	Baseline
ben_entl_pct_nr	C	3	N		ruu	dd93_ben_entl	Alphanumeric	Benefit entitlement percentage number

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
ben_entl_type_cd	C	1	N		ruu	dd93_ben_entl	Alphanumeric	Beneficiary entitlement type code
benef_ent_pct_nr	C	3	N		ruu	assoc_pers_info	Alphanumeric	Beneficiary entitlement percentage number
birth_dt	C	8	N		ilidb	ind_assoc	YYYYMMDD	Birth Date
birth_dt	C	8	N		ilidb	individual	YYYYMMDD	Birth Date
bped	C	8	N		ilidb	mil_pers	YYYYMMDD	Basic Pay Entry Date
civ_educ_lv_cd	C	1	N		ilidb	individual	Alphanumeric	Civilian Education Level code
civ_empl_step_nr	C	2	N		ilidb	civilian	Alphanumeric	Civilian Employment step number
civ_mil_rt_cd	C	1	N		ilidb	civilian	Alphanumeric	Civilian Military Return code
civ_occ_ser_nr	C	5	N		ilidb	civilian	Alphanumeric	Civilian occupational service number
civ_pay_plan_cd	C	2	N		ilidb	civilian	Alphanumeric	Civilian Pay Plan code
civ_py_gr_lvl_nr	C	2	N		ilidb	civilian	Alphanumeric	Civilian Pay Grade level number
civ_rt_prg_cd	C	1	N		ilidb	civilian	Alphanumeric	Civilian Return Program code
civ_rt_sc_dt	C	8	N		ilidb	civilian	YYYYMMDD	Civilian Return to service date
cmsnd_off_aoc_id	C	3	N		ilidb	cmsnd_occ_spec	Alphanumeric	Commissioned Officer AOC id
cmsnd_off_aoc_id	C	3	N		ilidb	co_aoc_lookup	Alphanumeric	Commissioned Officer AOC id
cmsnd_off_aoc_id	C	3	N		ilidb	co_aoc_master	Alphanumeric	Commissioned Officer AOC id
co_basic_br_cd	C	2	N		ilidb	cmsnd_off	Alphanumeric	Commissioned officer basic branch code
co_cr_mgmt_cntl_cd	C	2	N		ilidb	cmsnd_off	Alphanumeric	Commissioned Officer carrier management control code
col_length	I	2	N		ruu	adhoc_tbl	Number	Column length
col_name	C	18	N		ruu	adhoc_tbl	Alphanumeric	Legal column name
col_type	I	2	N		ruu	adhoc_tbl	Number	0 = char and 2 = integer
com_off_skill_cd	C	2	N		ilidb	cmsnd_occ_spec	Alphanumeric	Commissioned Officer Skill Code
com_off_skill_cd	C	2	N		ilidb	co_aoc_lookup	Alphanumeric	Commissioned Officer Skill Code
command_line	C	70	N		ruu	menu_tbl	Free Form	UNIX system command
command_name	C	60	N		ilidb	cmd_cd_lookup	Free form	Command Name
comment1	C	60	N		ruu	adhoc_svqry	Free Form	Comments describing use
comment1	C	30	N		ruu	adhoc_tbl	Free Form	Comments
comment2	C	60	N		ruu	adhoc_svqry	Free Form	Comments describing use
condition	C	11	N		ruu	adhoc_svdet	Relational operator	Operators available:=, <>, >=, <=, <, >, LIKE, NOT LIKE
data_text	C	60	N		ruu	adhoc_svdet	Free Form or alias	Either Basic query or Advanced query or alias
data_type	I	4	N		ruu	adhoc_svdet	Numeric (See notes)	The following values indicate placement in the SQL statement:
Notes: 1=COLUMNS; 2= FROM, 3=WHERE, 4=SORT, 5= USER_WHERE, 99= advanced query								

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
dbpath	C	60	N		ruu	adhoc_tbl	Full col name	Example: "owner".table.column
depn_indic_cd	C	1	N		ilidb	ind_assoc	Alphanumeric	Dependent Indicator code
description	C	60	N		ruu	printer	Free Form	Description of the available printer
device_name	C	15	N				Submenu only	Name of printer
disp_rel_id	C	2	N		ruu	sgli_dd93	Alphanumeric	Display relative id
duty_station	C	62	N		ruu	witness_info	Alphanumeric	Duty station
ecps_date	C	10	N		ruu	ecps_tbl	YYYY/MM/DD	ECP-S Date.
effect	C	420	N		ruu	ecps_tbl	Alphanumeric	Effect on the user.
enl_asi_cd	C	2	N		ilidb	enl_mos_lookup	Alphanumeric	Enlisted ASI code
enl_asi_cd	C	2	N		ilidb	enl_occ_spec	Alphanumeric	Enlisted ASI code
enl_mos_id	C	3	N		ilidb	enl_mos_lookup	Alphanumeric	Enlisted MOS id
enl_mos_id	C	3	N		ilidb	enl_mos_master	Alphanumeric	Enlisted MOS id
enl_mos_id	C	3	N		ilidb	enl_occ_spec	Alphanumeric	Enlisted MOS id
enl_skl_lvl_nr	C	1	N		ilidb	enl_mos_lookup	Alphanumeric	Enlisted Skill Level number
enl_skl_lvl_nr	C	1	N		ilidb	enl_mos_master	Alphanumeric	Enlisted Skill Level number
enl_skl_lvl_nr	C	1	N		ilidb	enl_occ_spec	Alphanumeric	Enlisted Skill Level number
enl_sqi_cd	C	1	N		ilidb	enl_mos_master	Alphanumeric	Enlisted SQI code
enl_sqi_cd	C	1	N		ilidb	enl_occ_spec	Alphanumeric	Enlisted SQI code
form	C	10	N		ruu	printer_default	Form name	Associated form name
fst_susp_act_cd	C	2	N		ilidb	mil_pers_flag	Alphanumeric	1st Suspension of action code
fst_susp_act_dt	C	8	N		ilidb	mil_pers_flag	YYYYMMDD	1st Suspension of action date
fullname	C	27	N		ruu	auth_tbl	Alphanumeric	Full name
grd_rel_id	C	2	N		ruu	assoc_pers_info	Alphanumeric	Grade relative id
has_nulls	C	1	N		ruu	adhoc_tbl	Y or N	Key field indicating if null values are allowed
high_auth_gr	C	1	N		ilidb	enl_mos_master	Alphanumeric	High Authorized Grade
imenuname	C	18	N		ruu	sysmenuitems	Alphanumeric	Item menu name
inc_co_key	I	4	N		ruu	insurance_co	Numeric	Insurance company key
ind_addr_city_nm	C	17	N		ilidb	ind_address	Alphanumeric	Individual Address City Name
ind_addr_city_nm	C	17	N		ilidb	ind_assoc_addr	Alphanumeric	Individual Address City Name
ind_addr_ctry_cd	C	2	N		ilidb	ind_address	Alphanumeric	Individual Address Country code
ind_addr_ctry_cd	C	2	N		ilidb	ind_assoc_addr	Alphanumeric	Individual Address Country code
ind_addr_forn_nr	C	10	N		ilidb	ind_address	Alphanumeric	Ind. Address Foreign number
ind_addr_forn_nr	C	10	N		ilidb	ind_assoc_addr	Alphanumeric	Ind. Address Foreign number
ind_addr_forn_st	C	2	N		ilidb	ind_assoc_addr	Alphanumeric	Individual address foreign state
ind_addr_gtwy_ab	C	3	N		ilidb	ind_address	Alphanumeric	Ind. address gateway abbreviation

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
ind_addr_gtwy_ab	C	3	N		ilidb	ind_assoc_addr	Alphanumeric	Ind. address gateway abbreviation
ind_addr_gtwy_cd	C	2	N		ilidb	ind_assoc_addr	Alphabetic	Individual address gateway code
ind_addr_loc_tx	C	60	N		ilidb	ind_address	Free form	Individual Address Location text
ind_addr_loc_tx	C	60	N		ilidb	ind_assoc_addr	Free form	Individual Address Location text
ind_addr_type_cd	C	1	N		ilidb	ind_address	Alphanumeric	Individual Address Type code
ind_addr_zip_cd	C	9	N		ilidb	ind_address	Alphanumeric	Individual Address Zip Code
ind_addr_zip_cd	C	9	N		ilidb	ind_assoc_addr	Alphanumeric	Individual Address Zip Code
ind_adr_state_ab	C	2	N		ilidb	ind_address	Alphanumeric	Ind. Address State abbreviation
ind_adr_state_ab	C	2	N		ilidb	ind_assoc_addr	Alphanumeric	Ind. Address State abbreviation
ind_assoc_src_cd	C	1	N		ilidb	ind_assoc	Alphanumeric	Individual Associate service code
ind_benif_cd	C	1	N		ilidb	ind_assoc	Alphanumeric	Beneficiary ID Code
ind_benif_cd	C	1	N		ilidb	ind_rel_lookup	Alphanumeric	Beneficiary ID Code
ind_birth_sta_cd	C	2	N		ilidb	individual	Alphabetic	Individual birth state code
ind_brth_city_nm	C	17	N		ilidb	individual	Alphanumeric	Individual birth city name
ind_brth_ctry_cd	C	2	N		ilidb	individual	Alphabetic	Individual birth country code
ind_cmrlinsco_nm	C	50	N		ruu	insurance_co	Free form	Individual commercial insurance company name
ind_cmrlinspo_nr	C	15	N		ruu	insurance_co	Alphanumeric	Individual commercial insurance policy number
ind_ctzp_ctry_cd	C	2	N		ilidb	individual	Alphabetic	Individual citizenship country code
ind_ctzsp_org_cd	C	1	N		ilidb	individual	Alphanumeric	Individual citizenship organization code
ind_em_dat_ver_dt	C	8	N		ruu	sgli_dd93	YYYYMMDD	Individual emergency data verification date
ind_emerg_dat_tx	C	160	N		ruu	sgli_dd93	Free form	Individual emergency data text
ind_emrg_ntfn_dt	C	8	N		ruu	sgli_dd93	YYYYMMDD	Individual emergency notification date
ind_ethnic_cd	C	1	N		ilidb	individual	Alphanumeric	Individual ethnic code
ind_ethnic_cd	C	1	N		ruu	sgli_dd93	Alphanumeric	Individual ethnic code
ind_fmly_mbr_cd	C	2	N		ilidb	ind_assoc	Alphanumeric	Individual Family member code
ind_fmly_mbr_cd	C	2	N		ilidb	ind_rel_lookup	Alphanumeric	Individual family member code
ind_fmly_ssn	C	9	N		ilidb	ind_assoc	Alphanumeric	Individual family member SSN
ind_fmly_stat_cd	C	1	Y		ruu	assoc_pers_info	Alphanumeric	Individual Family status code
ind_hiv_tst_ymdt	C	6	N		ilidb	individual	YYMMDD	Individual HIV Test Year-Month-Date
ind_maiden_nm	C	27	N		ruu	assoc_pers_info	Alphanumeric	Individual maiden name
ind_martl_st_cd	C	1	N		ilidb	individual	Alphabetic	Individual Marital Status Code
ind_race_pop_cd	C	1	N		ilidb	individual	Alphanumeric	Individual Race Population code

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
ind_rel_txt	C	17	N		ilidb	ind_rel_lookup	Free form	Individual family member description
ind_rel_type_cd	C	1	N		ilidb	ind_rel_lookup	N, I, B, J, E	Type of family member
ind_sex_code	C	1	N		ilidb	ind_assoc	M or F	Individual family member gender
ind_sex_code	C	1	N		ilidb	individual	M or F	Individual Gender Code
ind_ssn	C	9	N		ruu	assoc_pers_info	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	civilian	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	cmsnd_occ_spec	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	cmsnd_off	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	dd93_ben_entl	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	enl_occ_spec	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	enlisted	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	ind_address	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	ind_appt	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	ind_assoc	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	ind_assoc_addr	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	ind_phone	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	individual	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	insurance_co	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	max_rel_id	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	mil_pers	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	mil_pers_asg	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	mil_pers_flag	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	pers_test	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	personnel	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	prison_tbl	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	sgli_dd93	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	sidpers_send	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ruu	sidpers_trans	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	warr_off	Alphanumeric	Individual SSN
ind_ssn	C	9	N		ilidb	wo_occ_spec	Alphanumeric	Individual SSN
ind_telnr_type_cd	C	1	N		ilidb	ind_phone	Alphanumeric	Individual telephone type code
ind_title_tx	C	12	N		ruu	assoc_pers_info	Free form	Individual title text
ind_unifd_svc_cd	C	1	N		ilidb	ind_assoc	Alphanumeric	Individual unified service code
ind_usctz_sta_cd	C	1	N		ilidb	individual	Alphanumeric	Individual US citizenship status code
ind_veap_stat_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Individual veap status code
ind_vssn_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Individual SSN verified code
ind_wl_exst_cd	C	1	N		ruu	sgli_dd93	Alphanumeric	Individual withdrawal existence code

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
indiv_first_name	C	27	N		ruu	sgli_dd93	Alphabetic	Individual first name
indiv_last_name	C	27	N		ruu	sgli_dd93	Alphabetic	Individual last name
indiv_middle_name	C	27	N		ruu	sgli_dd93	Alphabetic	Individual middle name
indiv_name	C	27	N		ilidb	ind_assoc	Alphabetic	Individual Family name
indiv_name	C	27	N		ilidb	individual	Alphabetic	Individual Name
inf_tele_sys_cd	C	1	N		ilidb	ind_phone	Alphanumeric	Information telephone system code
inf_tele_sys_cd	C	1	N		ilidb	unit_phone	Alphanumeric	Information telephone system code
inf_telephone_nr	C	28	N		ruu	assoc_pers_info	Alphanumeric	Information telephone number
inf_telephone_nr	C	28	N		ilidb	ind_phone	Alphanumeric	Information Phone Number
inf_telephone_nr	C	28	N		ilidb	unit_phone	Alphanumeric	Information Phone Number
inf_telephone_nr	C	28	N		ilidb	workcntr_gen_inf	Alphanumeric	Work Center Phone Number
inf_telnr_pur_cd	C	1	N		ilidb	ind_phone	Alphanumeric	Information Phone Number purpose code
inf_telnr_pur_cd	C	1	N		ilidb	unit_phone	Alphanumeric	Information Phone Number purpose code
instl_nm	C	25	N		ilidb	workcntr_gen_inf	Alphanumeric	Installation Name
item	C	60	N		ruu	security	Field Label	only the field labels found on the security form can be saved
itemnum	I	4	N		ruu	sysmenuitems	Numeric	Item number
key	C	1	N		ruu	adhoc_tbl	Y or N	Key field indicator code
last_used	C	2	N		ruu	witness_info	Alphanumeric	Last used
logname	C	14	N		ruu	auth_tbl	Alphanumeric	login name of the user
logname	C	14	N		ruu	security	Alphanumeric	the login name of the user
loseuic	C	6	N		ruu	personnel	Alphanumeric	Loosing UIC
low_auth_gr	C	1	N		ilidb	enl_mos_master	Alphanumeric	Low Authorized Grade
lt_wound_notify	C	1	N		ruu	sgli_dd93	Y or N	Notify in case of light wound
master	C	1	N		ruu	adhoc_tbl	Y or N	Master indicator code
maxid	I	4	N		ruu	max_id	Numeric	last row number of table
menu_item	C	70	N		ruu	menu_tbl	Free Form	discription of what command does
menuname	C	18	N		ruu	sysmenus	Alphanumeric	Menu name
mil_ad_ent_cy_nm	C	17	N		ilidb	mil_pers	Alphanumeric	Military Active Duty entry city name
mil_ad_ent_st_cd	C	2	N		ilidb	mil_pers	Alphabetic	Military Active Duty entry state code
mil_asg_posn_nr	C	4	N		ilidb	mil_pers	Alphanumeric	Assigned Position Indicator number
mil_asg_posn_nr	C	4	N		ilidb	unit_auth_str	Alphanumeric	Military assigned Position number
mil_attached_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Attached Indicator Code

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
mil_auth_sex_cd	C	1	N		ilidb	co_aoc_master	M or F	Military Authorized Sex code
mil_auth_sex_cd	C	1	N		ilidb	enl_mos_master	M or F	Authorized Gender Code
mil_auth_sex_cd	C	1	N		ilidb	unit_auth_str	M or F	Gender ID Code
mil_auth_sex_cd	C	1	N		ilidb	wo_mos_master	M or F	Authorized Gender Code
mil_curr_lv_qy	I	4	N		ilidb	mil_pers_asg	Numeric	Current Days of Leave quantity
mil_curr_tdy_qy	I	4	N				Numeric	Current Days of TDY quantity
mil_delay_sep_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Delay Separator Code
mil_dy_stat_ab	C	3	N		ilidb	mil_pers	Alphanumeric	Military Duty State abbreviation
mil_ead_dt	C	8	N		ilidb	mil_pers	YYYYMMDD	Military Entry Active duty date
mil_educ_lvl_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Education Level code
mil_ets_dt	C	8	N		ilidb	enlisted	YYYYMMDD	Mil. Expiration Term of service date
mil_last_pcs_dt	C	6	N		ilidb	mil_pers	YYMMDD	Military Date of Last Permanent change of station date
mil_mv_desig_cd	C	2	N		ilidb	mil_pers_asg	Alphanumeric	Movement Designator code
mil_pers_clas_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Personnel Class code
mil_photo_sus_dt	C	6	N		ilidb	mil_pers	YYMMDD	Military Photograph suspence date
mil_phypr_dylm_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Physical profile duty limitation code
mil_pot_gain_upc	C	5	N		ilidb	mil_pers_asg	Alphanumeric	Military Potential Gaining UPC
mil_prev_dprt_dt	C	8	N		ilidb	mil_pers_asg	YYYYMMDD	Military Previous Departure Date
mil_prev_lv_qy	I	4	N		ilidb	mil_pers_asg	Numeric	Previous Days of Leave quantity
mil_prev_rpt_dt	C	8	N		ilidb	mil_pers_asg	YYYYMMDD	Military Previous Report Date
mil_prev_tdy_qy	I	4	N		ilidb	mil_pers_asg	Numeric	Previous Days of TDY quantity
mil_pulhes	C	6	N		ilidb	mil_pers	Alphanumeric	Military PULHES Code
mil_rec_stat_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military recruitment status code
mil_sqt_score_qy	C	3	N		ilidb	mil_pers	Alphanumeric	Military SQT score quantity
mil_svc_agree_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Service agreement code
mil_svc_comp_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Military Service completion code
mil_ult_gain_upc	C	5	N		ilidb	mil_pers_asg	Alphanumeric	Military Ultimate Gaining UPC
min_sglv_processed	C	1	N		ruu	sgli_dd93	Alphanumeric	Minimum sglv processed
mtext	C	60	N		ruu	sysmenuitems	Free form	Menu text
mtype	C	1	N		ruu	sysmenuitems	Alphanumeric	Menu type
notify_rel_id	C	2	N		ruu	assoc_pers_info	Alphanumeric	Notify relative id

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
occ_spc_desig_cd	C	1	N		ilidb	cmsnd_occ_spec	Alphanumeric	Occupation Specialty designator code
occ_spc_desig_cd	C	1	N		ilidb	enl_occ_spec	Alphanumeric	Occupation Specialty designator code
occ_spc_desig_cd	C	1	N		ilidb	wo_occ_spec	Alphanumeric	Occupation Specialty designator code
off_esa_dt	C	8	N		ilidb	cmsnd_off	YYYYMMDD	Officer service agreement expiration date
off_esa_dt	C	8	N		ilidb	warr_off	YYYYMMDD	Officer service agreement expiration date
org_addr_city_nm	C	17	N		ilidb	unit	Alphabetic	Organization Address city name
org_addr_ctry_cd	C	2	N		ilidb	unit	Alphanumeric	Organization Address country code
org_addr_forn_nr	C	9	N		ilidb	unit	Alphanumeric	Organization address foriegn number
org_addr_gtwy_ab	C	3	N		ilidb	unit	Alphanumeric	Org. address gateway abbreviation
org_addr_gtwy_cd	C	2	N				Alphanumeric	Organization address gateway code
org_addr_loc_tx	C	60	N		ilidb	unit	Free form	Organization address location text
org_addr_loc_tx	C	20	N		ilidb	workcntr_gen_inf	Free form	Work Center address location text
org_addr_zip_cd	C	9	N		ilidb	unit	Alphanumeric	Organization Address zip code
org_adr_state_ab	C	2	N		ilidb	unit	Alphanumeric	Org. Address state abbreviation
org_id	C	6	N		ilidb	individual	Alphanumeric	Organization ID
org_id	C	6	N		ilidb	unit	Alphanumeric	Organization ID
org_id	C	6	N		ilidb	unit_phone	Alphanumeric	Organization ID
org_tel_type_cd	C	1	N		ilidb	unit_phone	Alphanumeric	Organization telephone type code
org_wc_appt_dt	C	8	N		ilidb	ind_appt	YYYYMMDD	Organization Work Center Appointment date
org_wc_appt_dt	C	8	N		ilidb	workcntr_appt	YYYYMMDD	Organization Work Center Appointment date
org_wc_appt_tm	C	4	N		ilidb	ind_appt	HHMM	Organization Work Center Appointment time
org_wc_appt_tm	C	4	N		ilidb	workcntr_appt	HHMM	Organization Work Center Appointment time
org_wc_apt_cp_nr	I	4	N		ilidb	workcntr_appt	Numeric	Organization Work Center Appointment Capacity number
org_wc_apt_cp_nr	I	4	N		ilidb	workcntr_skel	Numeric	Organization Work Center Appointment Capacity number
org_wc_apt_dr_hr	I	4	N		ilidb	workcntr_gen_inf	HHHH	Organization Work Center Appointment Duration in hours
org_wc_apt_dr_mn	I	4	N		ilidb	workcntr_gen_inf	MMMM	Organization Work Center Appointment Duration in minutes

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
org_wc_apt_orig_cd	C	1	N				Alphanumeric	Organization work center appointment originator code
org_wc_apt_rq_cd	C	1	N		ilidb	workcntr_gen_inf	Alphanumeric	Organization Work Appointment Required code
org_wc_apt_st_tm	C	4	N		ilidb	workcntr_skel	HHMM	Organization Work Center Appointment Start Time
org_wc_apt_us_nr	I	4	N		ilidb	workcntr_appt	Numeric	Organization Work Center Appointment Used Number
org_wc_cmp_dt	C	8	N		ilidb	ind_appt	YYYYMMDD	Organization Work Center Completion date
org_wc_cmp_tm	C	4	N		ilidb	ind_appt	HHMM	Organization Work Center Completion time
org_wc_commnt_tx	C	150	N		ilidb	ind_appt	Free form	Organization Work Center Question comments text
org_wc_disp_cd	C	3	N		ilidb	workcntr_quest	Alphanumeric	Work Center Display Code
org_wc_doc_nm	C	40	N		ilidb	workcntr_doc	Free form	Org. Work Center Document Name
org_wc_doc_pr_cd	C	1	N		ilidb	workcntr_doc	Alphanumeric	Organization Work Center Document Presence Code
org_wc_in_out_cd	C	1	N		ilidb	ind_appt	Alphanumeric	Org. Work Center In-processing/ Out-Processing code
org_wc_ip_pr_nr	C	3	N		ilidb	workcntr_gen_inf	Alphanumeric	Org Work Center In-Processing Priority number
org_wc_nm	C	20	N		ilidb	ind_appt	Free form	Organization Work Center Name
org_wc_nm	C	20	N		ilidb	workcntr_appt	Free form	Organization Work Center Name
org_wc_nm	C	20	N		ilidb	workcntr_doc	Free form	Organization Work Center Name
org_wc_nm	C	20	N		ilidb	workcntr_gen_inf	Free form	Organization Work Center Name
org_wc_nm	C	20	N		ilidb	workcntr_quest	Free form	Organization Work Center Name
org_wc_nm	C	20	N		ilidb	workcntr_skel	Free form	Organization Work Center Name
org_wc_offhrs_tx	C	100	N		ilidb	workcntr_gen_inf	Free form	Organization Work Center Office Hours Text
org_wc_ola_cd	C	1	N		ilidb	workcntr_gen_inf	Alphanumeric	Organization Work Center On-Line Access Code
org_wc_op_pr_nr	C	3	N		ilidb	workcntr_gen_inf	Alphanumeric	Organization Work Center Out-Processing Priority number
org_wc_prc_rq_cd	C	1	N		ilidb	workcntr_gen_inf	Alphanumeric	Organization Work Center Processing Required Code
org_wc_qu_ty_cd	C	1	N		ilidb	workcntr_quest	Alphanumeric	Work Center Question Type Code
org_wc_quest_tx	C	100	N		ilidb	workcntr_quest	Free form	Work Center Question Text
org_wc_sch_cd	C	1	N		ilidb	workcntr_gen_inf	Alphanumeric	Organization Work Center Scheduling Code

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
origcode	C	2	N		ruu	auth_tbl	Alphanumeric	Originator code
origcode	C	2	N		ruu	sidpers_send	Alphanumeric	Originator code
origcode	C	2	N		ruu	sidpers_trans	Alphanumeric	Origin code
origin	C	12	N		ruu	ecps_tbl	Alphanumeric	Originator number
owner	C	8	N		ruu	adhoc_tbl	Alphanumeric	Database owner
paperloc	C	33	N		ruu	sgli_dd93	Free form	Paper location
parole	I	4	N		ruu	prison_tbl	Numeric	Parole
per_tst_apt_ar_cd	C	2	N		ilidb	pers_test	Alphanumeric	Army Personnel test appointment arrival code
pers_si_comp_cd	C	1	N		ilidb	individual	Alphanumeric	Personnel Security investigation completion code
pers_si_comp_dt	C	8	N		ilidb	individual	YYYYMMDD	Personnel Security investigation completion date
pers_si_init_cd	C	1	N		ilidb	individual	Alphanumeric	Personnel Security investigation initiation code
pers_si_init_dt	C	8	N		ilidb	individual	YYYYMMDD	Personnel Security investigation initiation date
pers_test_typ_cd	C	2	N		ilidb	pers_test	Alphanumeric	Army Personnel Test type code
phone	C	13	N		ruu	ecps_tbl	Alphanumeric	Telephone number
PID Number	I	4	N		ruu	prison_tbl	Numeric	Process ID
poc	C	20	N		ruu	ecps_tbl	Alphanumeric	Point of Contact
posno	C	4	N		ruu	personnel	Alphanumeric	Position number
pri_lang_cd	C	2	N		ilidb	individual	Alphanumeric	Primary Language Code
printer_class	C	20	N		ruu	printer	Submenu only	Printer class option
printer_class	C	20	N		ruu	printer_default	Free Form	Printer class option
printer_name	C	15	N		ruu	printer_default	Alphanumeric	Printer name
printorder	I	4	N		ruu	adhoc_svdet	Numeric	queue order for printing
priority	C	9	N		ruu	ecps_tbl	Alphanumeric	Priority of problem
prob_date	C	10	N		ruu	ecps_tbl	Alphanumeric	Problem report date
prob_descr	C	960	N		ruu	ecps_tbl	Alphanumeric	Problem description
prob_title	C	66	N		ruu	ecps_tbl	Alphanumeric	Problem title
prog_id	C	66	N		ruu	ecps_tbl	Alphanumeric	Program ID
progname	C	60	N		ruu	sysmenuitems	Free form	Program name
prom_indic_cd	C	1	N		ilidb	mil_pers	Alphanumeric	Promotion Indicator Code
query_id	I	4	N		ruu	adhoc_svdet	Number	Query number located in adhoc_svqry
query_id	I	4	N		ruu	adhoc_svqry	Number	Unique query id number
query_name	C	30	N		ruu	adhoc_svqry	Free Form	Name of saved query
rec_sol	C	480	N		ruu	ecps_tbl	Alphanumeric	Recommended Solution
rel_id	C	2	N		ruu	assoc_pers_info	Alphanumeric	Relation id
rel_id	C	2	N		ruu	dd93_ben_entl	Alphanumeric	Relation id

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
rel_id	C	2	N		ilidb	ind_assoc	Alphanumeric	Relation id
rel_id	C	2	N		ilidb	ind_assoc_addr	Alphanumeric	Sequential relation ID
rel_id	C	2	N		ruu	max_rel_id	Alphanumeric	Sequential Relation ID
rel_id	C	2	N		ilidb	ecps_tbl	Alphanumeric	Sequential Relation ID
rept_type	C	14	N		ruu	ind_assoc_addr	Alphanumeric	Unit In-Processing report type
remarks	C	900	N		ruu	ecps_tbl	Alphanumeric	Remarks
req_lang_cd	C	2	N		ilidb	unit_auth_str	Alphanumeric	Required Language Code
rsn_non_ntfn_tx	C	50	N		ruu	assoc_pers_info	Free form	Reason for not notifying text
save_date	C	10	N		ruu	adhoc_svqry	YYYY/MM/DD	day when query was made
sec_lang_cd	C	2	N		ilidb	individual	Alphanumeric	Secondary Language Code
sel_type	I	4	N		ruu	adhoc_svqry	1, 2 or 3	1 = “SELECT ALL”, 2 = “SELECT UNIQUE”,3 = “SELECT COUNT”
send_to	C	28	N		ruu	ecps_type	Alphanumeric	Send to Address
sent_from	C	25	N		ruu	ecps_tbl	Alphanumeric	Sent from Address Line 1
sent_from2	C	25	N		ruu	ecps_tbl	Alphanumeric	Sebt from Address Line 2
separate_addr_cd	C	1	N		ilidb	ind_assoc	Alphanumeric	Separate Address code
sgli_ben_cd	C	1	N		ruu	assoc_pers_info	Alphanumeric	SGLI beneficiary code
sgli_ben_ub_cd	C	1	N		ruu	assoc_pers_info	Alphanumeric	SGLI beneficiary ub code
sgli_ent_cov_cd	C	3	N		ruu	sgli_dd93	Alphanumeric	SGLI entitlement coverage code
sgli_ent_pm_cd	C	1	N		ruu	assoc_pers_info	Alphanumeric	SGLI entitlement payment code
show	C	1	N		ruu	adhoc_tbl	Y or N	Show indicator
show_to_all	C	1	N		ruu	adhoc_svqry	Y or N	Show indicator
snd_susp_act_cd	C	2	N		ilidb	mil_pers_flag	Alphanumeric	2nd Suspension of action code
snd_susp_act_dt	C	8	N		ilidb	mil_pers_flag	YYYYMMDD	2nd Suspension of action date
sol_recent_el_cd	C	2	N		ilidb	enlisted	Alphanumeric	Soldier recent eligibility report
sort_direct	C	4	N		ruu	adhoc_svdet	ASC or DESC	direction to list sort
stru_command_cd	C	2	N		ilidb	cmd_cd_lookup	Alphanumeric	Structured Command Code
stru_command_cd	C	2	N		ilidb	unit	Alphanumeric	Structure command Code
submit	C	1	N		ruu	ecps_tbl	Alphanumeric	Submitted for remedy
sys_adm	C	1	N		ruu	adhoc_tbl	Alphanumeric	System administrator
table_name	C	18	N		ruu	adhoc_tbl	Alphanumeric	Legal table name
tabname	C	18	N		ruu	max_id	Alphanumeric	Legal table name
title	C	20	N		ruu	ecps_tbl	Alphanumeric	Title
title	C	60	N		ruu	sysmenus	Free form	Title
trans_date	C	10	N		ruu	sidpers_send	YYYY/MM/DD	Transaction date
trans_date	C	10	N		ruu	sidpers_trans	YYYY/MM/DD	Transaction date
trans_type	C	4	N		ruu	sidpers_send	Alphanumeric	Transaction type

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
trans_type	C	4	N		ruu	sidpers_trans	Alphanumeric	Transaction type
transaction	C	80	N		ruu	sidpers_send	Free form	Transaction
transaction	C	80	N		ruu	sidpers_trans	Free form	Transaction
transtr	C	4	N		ruu	personnel	Alphanumeric	Transaction strength
un_descr_dsg_id	C	2	N		ilidb	individual	Alphanumeric	Unit descriptive Designator ID
un_descr_dsg_id	C	2	N		ilidb	unit	Alphanumeric	Unit descriptive Designator ID
un_descr_dsg_id	C	2	N		ilidb	unit_auth_str	Alphanumeric	Unit descriptive Designator ID
un_descr_dsg_id	C	2	N		ilidb	unit_phone	Alphanumeric	Unit descriptive Designator ID
un_office_sym	C	16	N		ilidb	unit	Alphanumeric	Unit Office Symbol
un_office_sym	C	16	N		ilidb	workcntr_gen_inf	Alphanumeric	Unit Office Symbol
un_porg_dsg_id	C	3	N		ilidb	individual	Alphanumeric	Unit Parent Organization designator id
un_porg_dsg_id	C	3	N		ilidb	unit	Alphanumeric	Unit Parent Organization designator id
un_porg_dsg_id	C	3	N		ilidb	unit_auth_str	Alphanumeric	Unit Parent Organization designator id
un_porg_dsg_id	C	3	N		ilidb	unit_phone	Alphanumeric	Unit Parent Organization designator id
un_svc_dsg_cd	C	1	N		ilidb	individual	Alphanumeric	Unit Service Designator code
un_svc_dsg_cd	C	1	N		ilidb	unit	Alphanumeric	Unit Service Designator code
un_svc_dsg_cd	C	1	N		ilidb	unit_phone	Alphanumeric	Unit Service Designator code
unit_name	C	30	N		ilidb	unit	Free form	Unit Name
user_id	C	8	N		ruu	adhoc_svqry	Free Form	user login
user_id	C	8	N		ruu	ecps_tbl	Alphanumeric; cannot be blank	user identification
user_id	I	4	N		ruu	security	Numeric	field 3 of etc/passwd
username	C	14	N		ruu	printer_default	Login name	valid user name
value	C	32	N		ruu	adhoc_svdet	Free Form	value used to compare in where clause
weekday_cd	I	4	N		ilidb	workcntr_skel	Numeric	Weekday Code
weekday_nm	C	3	N		ilidb	workcntr_skel	Alphabetic	Weekday Name
witness_name	C	30	N		ruu	witness_info	Alphanumeric	Name of witness
witness_org	C	31	N		ruu	witness_info	Alphanumeric	Organization of witness
witness_rank	C	5	N		ruu	witness_info	Alphanumeric	Rank of witness
wo_asi_cd	C	2	N		ilidb	wo_mos_lookup	Alphanumeric	Warrant Officer ASI code
wo_asi_cd	C	2	N		ilidb	wo_occ_spec	Alphanumeric	Warrant Officer ASI code
wo_mgmt_br_cd	C	2	N		ilidb	warr_off	Alphanumeric	Warrant Officer management branch code
wo_mos_id	C	4	N		ilidb	wo_mos_lookup	Alphanumeric	Warrant Officer MOS ID
wo_mos_id	C	4	N		ilidb	wo_mos_master	Alphanumeric	Warrant Officer MOS ID
wo_mos_id	C	4	N		ilidb	wo_occ_spec	Alphanumeric	Warrant Officer MOS ID
wo_sqi_cd	C	1	N		ilidb	wo_mos_master	Alphanumeric	Warrant Officer SQI code

MNEMONIC	TYP	LEN	NUL	IDX	DB	TABLE	RANGE	DESCRIPTION
wo_sqi_cd	C	1	N		ilidb	wo_occ_spec	Alphanumeric	Warrant Officer SQI code